

ctgggctcaa catgcta

317

<210> 182
 <211> 507
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(507)
 <223> n = A, T, C or G

<400> 182

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agcagagagc accacataca ttgaatlygt aggaactgac aactccttca agaacaggag	180
tgaggggtgt ggtgaatggg aatggaaagc tgcattccct gatgcatttg tgcctctc	240
aatccgtctc tagtcttagg aaaggaagta aagtticaag gacgggttcg aactgtcttt	300
ttgtgtctgg ctacacatgc tctcccgagg caatggcgga cgggagagat cgaagtctgg	360
ccacattcgc cctatagtag gtctattatc aattcactgg cagtcgtttt acacagtcgt	420
gactgggaaa acactggcgt taccacattt aatgcgcttg cagcaccttc cctttccca	480
gttgggctaa tancgcaag gcccgca	507

<210> 183
 <211> 227
 <212> DNA
 <213> Homo sapien

<400> 183

gatttaagct gaacactgtt gagggtagcc ctggagcaag gcaggactgg atgtctcttc	60
aatccccaaa tggagccttg taittaagcc aggaacttga gcaggacccc ctctatttgt	120
agcaatgaka agttattctc ttgtttcttc aactttccaa tagctttgag ctccaagggg	180
agtgctgtta atcattacag cctggtctcc acagtttgtc agcgttaa	227

<210> 184
 <211> 225
 <212> DNA
 <213> Homo sapien

<400> 184

ttacgtctgc acaactgttg gcagattaac atcagacttt tctatcaaaa tgaactgggg	60
tactcaaaag acaacaatac aaaggtcttc aaagtctaa gactaatte gatacttcaa	120
ctttataaaa cctgcacaaa ctatcaatcn agcacaaag cagtgagaa acatttccag	180
attttggccc atcagatatt ttaactccaa agtcttgag cgttaa	225

<210> 185
 <211> 597
 <212> DNA
 <213> Homo sapien

<400> 185

ggcccgagct agaatgtctc cggccgcaat ggccgggggg ttggttaggg tctctatcca	60
ctggggccca taggctagtc agagtattta gagttagtt cctttctgct ccccaagatt	120
tgaagagaaa ggaagtgggt gatagagctg agagatcaga ttgtctctgt aagcctgttc	180
agaatgtatg tctcagaccc cccacactgg ggcctgtggg tgaggtctgt ggcattctatt	240
tgatgtatgt gctgaagggg agcaactatg caaggaaggg gaacccatcc tggcacttgg	300
acagggttca ctttatccag tgcctagtcg tctcttctgt ctactgttt ttctctctca	360
tgtgaggggc aggttaagag agtgcacggt tgttctgcca gttttagaa atctaccagt	426

52

aagtggggaa	gtttacaaa	agagcagctt	tggtttgtgt	attttacact	tcagttagaa	488
gaggagagct	gtgagatgaa	cgtttagttga	gtggaaaga	cggttaagct	tagtggatag	540
agacccatcc	gaataactag	tggggcggcc	tggcagtgag	acacataggg	agagctcc	597

<210> 186

<211> 597

<212> DNA

<213> Homo sapiens

<400> 186

ggcccggaagt	tgcatgttcc	cggcgccaat	ggcgggggga	ttcggttaggg	tctctatccc	60
ctacctaaaa	aatcccaaac	atataactga	actccacaca	ccmacttggg	ccactccctc	120
accccgagggg	ctctacagatc	ctcctttgat	acataagaaa	attkccccc	actaacctaac	180
tatatcattt	tgcagagattt	gttttaccda	atthttgatg	actttatcag	cttctcagtg	240
tgaacacata	ttacgaacga	tgggtattta	actgcccctc	ccgttcacag	tgtagctggc	300
aactcdsagt	gagtaaaata	ttcatttaagt	tttccactac	taaggttggtt	aacacaccta	360
gggtgcacatg	tgggttagcag	ctcttttgat	ttgtttttat	ttccacataag	ggctcctgttc	420
aaggtcaatc	atacatgtcg	tgttagcagc	tagtcaactat	ggcatgaact	ggaggtgtgt	480
aataaggggc	tccctttgctg	tttaagaaat	cttctcccaa	ccctgcacag	tgggttagag	540
ccctaacgaa	tcactagtgc	ggcgccctgc	aggtcgacaa	tatggggagag	ctcccaa	597

<210> 187

<211> 324

<212> DNA

<213> Homo sapiens

<400> 187

tcgttagggg	ttctatccac	ttgcaggtta	aatccacctc	tggttatata	ttatagtctt	60
ccatagctag	tggttomaaga	gacttgaggt	ccagaaagaa	tacggcagcc	catccctgtc	120
ttccacttaa	ccctgctttg	ggttacacat	cttaacttct	ctgttcaggt	ttctctgtgt	180
agtttatagc	atgagttatg	gtgaaatgac	ctgaaacctg	aaatgagatc	tgggaaacac	240
aaacttaact	ataagaaatt	ttccacatat	ttttatgatg	gaacaaattc	ccatgcacag	300
aggagtggat	agagacaccta	ccga				324

<210> 188

<211> 178

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (i)...(178)

<223> n = A, T, C or G

<400> 188

gctggggggt	tgggggtgat	aactctctct	gcccacatac	aaagtatctt	ttcccaactt	60
gacttacaat	ttacgtattt	tcacatttgt	ttccacattt	gttgagtcac	acccacacac	120
atggcccgag	aaatggtatt	aactaacagc	ccactactct	tcaaacactc	actctctt	178

<210> 189

<211> 367

<212> DNA

<213> Homo sapiens

<400> 189

tgacaccttg	tcacagatct	gacacagctc	tggctcttgg	aaactatttg	ataaatgaaa	60
atgaatttct	ttagacagtg	gtctagcttg	agcatataag	tatcacatat	ccactattta	120
agacacatct	agtgctccctg	aaattagaa	aggacttaca	ataagtgctg	tcactttctc	180

aalagctgtt	atccaattga	tggtaggcct	tcaaaagkca	agaaatgaga	gggatgtga	240
aaaaaagtc	aaatccactg	ctostllaga	aacttccatt	caaaccccca	atgagatacc	300
atctacaca	agtcagaatg	gctattatta	aaaagtcaaa	aaataacaga	tgtcggacaa	360
gggtgtaa						367

<210> 196

<211> 369

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> {1}...(369)

<223> n = A,T,C or G

<400> 190

gacacettgt	ccagatcttg	acaacgttaa	cagctcggag	agatctttat	tcttttattt	60
agtttttact	ctggctaggc	agatgggtgc	taaaacatto	atttaccatt	ctattcattt	120
aatttgtact	gcagagctca	tggatagagt	attgtccaga	actgtctgg	aagctaggag	180
actggggatg	aaacagctag	gctacatctt	gttcccccag	aacttccctt	tttgtttggg	240
aaacagatga	tatatcaaaa	tatacaaatg	aattccagta	gttttaagta	cgaacagaat	300
aaagaaagcg	agtcagtatt	tanaatgctg	gaacccgggg	ctattgcttg	agatatgtaa	360
gggtgcacaa						369

<210> 191

<211> 369

<212> DNA

<213> Homo sapien

<400> 191

tgcacacttg	tccagcactct	gcacagggaa	aagaaactat	tatcagagtg	aaacggcaaa	60
ctacagaagt	ggagaaactt	tttgcaatct	ctcactctga	caaagggcta	ctatccagaa	120
tctacaaaga	acttctacaa	atttcaagaa	aaacaaacaa	caaacacttc	ctcaaaaggt	180
gggtgaagga	tgtgaacaga	caactctcaa	aagaaagcat	ttatggggcc	aaacaaacaa	240
tgaaaaaaag	ctctctctct	cttgtcacta	gaiaaatgca	aatcaaaacc	aaactgagat	300
accactctat	tccagtttag	atggaaatca	ttaaaaagtc	agaaacaaac	agatgtctga	360
caaggtgttc						369

<210> 192

<211> 449

<212> DNA

<213> Homo sapien

<400> 192

tgacgtcttg	caactllaga	cttcatcttt	gcacagaaaa	acttttttaa	agtttttaut	60
caagctctgt	ctagtgacag	tcctccagcc	acttttttaa	tgttccctaa	tcagtggcat	120
tttaaaatca	tgtttctctc	gtttgaatg	atttgggctg	ctaatccacc	caattggatc	180
gactgttcta	ctaaacaane	ggaaactgtg	tatctggagc	actgtggaga	aaacttaaac	240
atctgtttct	ctttgtcttt	taaggacttt	gttccagcta	catgtaatac	caagttctct	300
tttaagggag	aaagatgtga	tcttcccttg	tttccacagc	actgcaaccc	taagtaaatat	360
tctttattta	tgtctgttaa	aaattgcatt	ccaaatagga	tgatttaatg	tacttggtat	420
actgtctgagt	gtcaagtggc	caaggtctaa				449

<210> 193

<211> 372

<212> DNA

<213> Homo sapien

<400> 193
 tgaaggttgg ccaacttgac ccaaggaggt akcaggtgaa tataactctg caatgtaca 60
 tattggcaat tccccctcaa acattctaga aagagcaaac caggatttgc aggcacataa 120
 agctgcacaa aataactggt aattgcagta atcattctcg gcccaattca tccagtttgg 180
 ctcaagagtg cctttggctg agagagaggg tggatataa tgtgtttct tgcacattct 240
 tggagagata acctcccaat agtctgagga ctgatatcaa acctatttc cattaagaca 300
 ccagagtttg ttaattccag taactgataag tgtttgagat tagactccag tgtgtcaagt 360
 ggcccaaggt ca 372

<210> 194
 <211> 309
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1) ... (309)
 <223> n = A,T,C or G

<400> 194
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 ttgggtttag tgttgtggg acctcaataa tcccaactag gcccaagccc acagagctcg 120
 cagaacactt cagttctcga cctctgaatg gccaggtaac tttttgtgt gtaacgttct 180
 acatatacaa aacacaccto tgcattctca ugttacaaca aaagtactgt ctgttaaatc 240
 cttaagaagg gtaagagata cttctctata caaagtactt taacctagt gtcaagtggc 300
 caaggtga 309

<210> 195
 <211> 312
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1) ... (312)
 <223> n = A,T,C or G

<400> 195
 tgaaggttgg ccaacttgac ccaactctcg cacttctacc tccagcaccr tgaagagta 60
 ggactgcaac taccctccact tcccaagatg ggggacaaan gtacacatta ggaacaggt 120
 gggagacagc agttgtccga tcccaagctc caagacataa ggtctctctc aggaagaggg 180
 ctctcagata aggttcaaaa catgaatggc tccgcaaac ggaagtactg ctgtgtgagt 240
 taagggaatg gtgacacgga tgcaggtgta acctgtaatg gttctatgta agttctcaag 300
 ggcccaaggt ca 312

<210> 196
 <211> 288
 <212> DNA
 <213> Homo sapien

<400> 196
 tctatcagag tagttggtct ctccagcaat cagaactgtg actcaattaa aactctttac 60
 tttatgaact acccaatctc gggcagtgct tttatgtag tctgaagatg gactatataa 120
 agtcaatttt actttgtaat aaataaacc aaatactatta cttttttgtg tatttaotac 180
 accatatttt ttattgttat tgtagtgtac aactctact tatcaaaaga aatagagccc 240
 aggggtgtcag atcagagagt caggagatgg agacacataa gtogatac 288

<210> 197

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<211> 289
<212> DNA
<213> Homo sapiens

<400> 197
ttggggaccc tcaatatcat gacaggtgat gtgataacca agnaggctac taagtatta      69
atgggggggt aatgtataca gactaggtac atgtgacaga ggggttaatt atagaccagg      129
caggagaagc agaatggosa acaatttcat cacactactc aggtatagcat gaaattttaa      189
acctataagt agtttatitt tgggaatttc oucttataat tticagagtg daagtaacta      249
aacgtgggaa cacaaagaca tagataaggg gagacacata agtcagatcc      289

<210> 198
<211> 288
<212> DNA
<213> Homo sapiens

<400> 198
gtatcyaggt agtggtctcc caagcagtggt gaagaaagc tgaacacatt aaatgtatc      69
agatacccca agagaagggc cttaggtata gattcccaat gggtaacast atcagatctt      129
aaaattcagg ctgtcacaag gatttgbat gaggttgctc tcaatgacat caggacacgt      189
cggcagggga ttgaagccct ggccattgtc aagatgaagc agcttttgcg calgtatggc      249
aagaagagcc ccaatgagcg ggaatcctgg agaacactac gtgcagatc      288

<210> 199
<211> 1027
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...[1027]
<223> N = A,T,C or G

<400> 199
gctttttggg aaaaamctaa ntgggggaaa ggggmmtnn tngcagggg ataaaggggg      69
aamcccaagg ttccnccatt cagggaggtg taanaagnc gcaaggggat tgaanaagga      129
ttccataata gggggaaatgg gccnagaagt tgaacaggtt cncgcgcgca tgnccggggg      189
atttagtgac attatgcagca tggtaataaa gtggagacaa waatatitg tnatgtatt      249
tttgaacvng tgaaccccat ttgacagggcc tcaattcent tgaatagtra gccataatca      309
gtaaaagrit tayaagiyti teltgancgt aacagacatca ttacatggag tggatcaaac      369
aatttcaccc ttgtttagcc gataccttcc ccttgagggc attcaattaa gtgacacatc      429
gtcatagcag aggggtatgc ctggggattg atgaagatat caggggtgat aacttcaagc      489
gtgaagggca kaktctcttg tctactatga ataaccaag tacccttttg aacatgtcga      549
ctagcaactt tgtcccaact ctgtgtatcc cctaacagag agtaacortu ttttcaaaa      609
tttatatccf tctgtattga gattkacpat aacckgalcc acaatggccc kctgcttwt      669
cttgagaaaa gtgttccagt ctctcttggt ataggttata ttggtgtctc caaatcttcc      729
ttcatthttc aggaacaggtt aactgttltg cntataataa cmtactctcc tgaatamcga      789
aacccckgga rctatcaaac catcatatct caggttctct watgymctc aactctatht      849
gggggcgcct gacaggtcac ctatnggaaa acoccccaac ccttnggggc ntacattgaa      909
ttttccatct gtcacataaa ttanctnema ttancttggc cntaacctat tccggtttaa      969
attgtttccg ttccacttcc caccctttaa aocgggaacc taaattttaa aocgggggtt      1027
ccatctcc

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<400> 200
 agtgacatta cgaagctggc catcttgaat cctagggcat gaagttgcu caaagttcag 60
 cacttggta agcctgatar ctctggttta tcccaaggaa taaggctggga caaagaaggt 120
 ggscacttaa ctaagctata aattatattg taattgtcta gaaggagaa actgacaggy 160
 taractacca ggttgatgat gtacata 207

<210> 201
 <211> 209
 <212> DNA
 <213> Homo sapien

<400> 201
 tgggcacatt ccatatctat taaagaacaa aatcctgag aacacaccaa gactatcatt 60
 gaggttacat ctggagtact cgtatataaa gggaaaatg aagtgaacat taccagcgtt 120
 ttaatttttt gggaaactaa atgtctgaaa agaaaagggg gcaattcttc ctctggttcc 180
 tggctcattc cagctgtcta atgttaata 209

<210> 202
 <211> 349
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)..(349)
 <223> n = A,T,C or G

<400> 202
 ntacgcctga aaactgttga gcaatgtgtt tttattccag gtaagttatc cagaaacag 60
 tcaatgaaca caacgaagaa cgtgtatagg taacagttta cagtaatagt tccagctgtc 120
 tgcggttccc agcagagcgt cactgggtac agacacgatt cagcgggaag agaaagcgc 180
 gcaaggagag acgtgaactc caactcgttg gtgagagcgc caatgttttc aactcgaagt 240
 tcaaacgcga ttgggttata taactataga tgaacttcac acacattccc ttgaacccac 300
 tggaaatata tttcttgtt cagctcttct caacagttt gcaagctaa 349

<210> 203
 <211> 241
 <212> DNA
 <213> Homo sapien

<400> 203
 tgcctccttt gacttaacca cccaaagccc actgtgaaat atgaagtga tgaacaaatt 60
 cagttctaaa agcaatctag tatagtttat ctgattcttt tgcctccag gaaactttaa 120
 acaactgtca ccccaaccaa caactcaggg atttagaatt ctccacagac cagaacttat 180
 ttctactttg agttcaggu taattcggga ctactgttca taactgggtg gtaaatgggt 240
 a 241

<210> 204
 <211> 248
 <212> DNA
 <213> Homo sapien

<400> 204
 tgcgaattta caccacatct gaaacacwag ccmwmparg cygwackya ggcgatttga 60
 agtactgata atgtctgtat cagtttagtt caataagttt ggtcagttta caaaattca 120
 cagaaactaa laactcaatg taigtgttcc tctctgtgtt tatgtgtgtg taagtgttca 180
 ctcaagtttt tttaaaaaa agagtgattt tcaataaag aaagcagtggt tggtaagrga 240
 agagggag 248

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<210> 205
<211> 505
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(505)
<223> n = A,T,C or G

<400> 205
tcgcgtgcaa cactgtggag ccattccatc aggtccctaa ttaaggaaac agtgcattcg      60
ctacccttgc ccgtctaggg tacccggggc gttaaacatg tgcactcggg caggcgggtgc      120
ctctcaactc ggtgatgcta gagggtgatgt ttttggtaaa caggcgggggt aagcatttgc      180
gagttacttt tacttttttt aacctttctc tatgagcatg ccgtggttgg gttgcacagt      240
ggggttaata tgcattgttg gttgattgta gacattgggg tgttaattgt ccgttcacgt      300
ttttaatctg acgcaggctt atgcggagga gaatgttctt atgttactta tactaaactt      360
agttctctta taggggtgat gattgggtct attggggtgt aggaattcag ttatatgttt      420
gggatttttt aggtagtggt tgttgancit gaacgcttct ttaattggtg gcctgcttta      480
rgcctactat ggttggttaa tggct
                                         505

<210> 206
<211> 179
<212> DNA
<213> Homo sapien

<400> 206
tagactgaat catgtccctt accaaagctc ctgttaaggag ctgagttctt aaagattgaa      60
gaacagctat tctctggaga aaattaaaat ggaattgta cttaaaaaa aaataaactc      120
ggcggggcat ggttagcacac acctgtatct ccagttacta ggggacatga gtcagtcta      179

<210> 207
<211> 176
<212> DNA
<213> Homo sapien

<400> 207
agaattgact atgtccctta cccaaacttc tgcctgtctg ccgtgttctt aaagattcac      60
agattglaa tgcctcgttg cctgggggtt ggggaactct atttatggg atacaaattt      120
gggagttggg attgacaga tttaagtaact gatgggtat ggttggttaa tggcta      176

<210> 208
<211> 196
<212> DNA
<213> Homo sapien

<400> 208
agactgactc atgtccctta tttaaacagg toctctagtc tctgaaaaaa aaaaattctg      60
aacattgact atacttata ttgtaaagaa tactgtacaa tgactttact gaattctggg      120
agctgttaag actgaaggtt gccagaagtt ttaaggataa tgggttggtta atgtctaggg      180
gcattagatc agtcta
                                         196

<210> 209
<211> 345
<212> DNA
<213> Homo sapien

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<226>
<221> misc_feature
<222> (1)..(345)
<223> n = A, X, C or G

<400> 209
gacgcttgga caattgacac cttttrattt ttaaggatke ttaagtcatt tangtnactt 60
tgaagtttt tctatgacac ccatnagaat gatacattka aaattatagc tggggttggc 120
aagaagatag tctatgacttt agaatgtaga ggtatagcaa gattttttgt gaggaggggt 180
gatttagagc aaattttctt tctctctgtt ctcatctgta aataggggat aataatagaa 240
ctggcttgac aagggtggaa ttatgtttac atggttaata catgttaaat gtttagaagt 300
gtgcaagta tctaggaagt acttgggcat ggggtgtaaa tggct 345

<210> 210
<211> 178
<212> DNA
<213> Homo sapien

<400> 210
gacgcttgga caattgacac ttaggttggg ttgggcaac tttttctata gaggacagca 60
gagtaaatat tctagacttt ggggttggg cagtctctct tgaactaat cagctctgac 120
attgtagctt ggaattcagc catagaaagg acagaatat atgggttggg aatggcta 178

<210> 211
<211> 434
<212> DNA
<213> Homo sapien

<400> 211
tgggcaactt caatctctat caggcgcatc taastctgct tttttcttga ttataaaktt 60
caccacttgc tcttttttgt cctgtatcac aagtgacagt ggtgtgagcg catgctttgt 120
ttttgattcg atctacagca cgtataagag cagtggtttg gcaattaat ttatcttctt 180
gtagacagca tagtgttagc tgggtatctc atactctatc ggaatttttg gctcagtgcc 240
atgttcagcg aactttaagc ccaattcctc ttcctggcat tgaacggcct ttgtcagagc 300
tgtctctttt tctgtgtcac ggaatttaag ttgacatcgt ctgtccagca caggtttac 360
tactctcgaa tcccatctgg cagagggcag atgtagagca gtctcttttt gctgtctctt 420
ctgtttcaca taagtgttcc tgggcaaacg gga 434

<210> 212
<211> 337
<212> DNA
<213> Homo sapien

<400> 212
tcgtttatgc caacaaagaa acctatctga gttacttatt aaactcaagg ctggaacctt 60
ttgtctcag cccatattga ttcatagaca catggttttt atgcatcgca ttgaacctat 120
tgatcaactg ggtttcttta ttatctgact gtgtcatgac aaggaacttt acaactgca 180
acgcagagaa caattcaag gtattcagaa agtggaagcg agcaattgtt tgcgaattcg 240
gaattttgaa aaacaaattg cgtgtgaac tttaatttgc cttggaacag tcaagaaaa 300
cattatttgg gaaatttat atcaagcgt aaaggaa 337

<210> 213
<211> 715
<212> DNA
<213> Homo sapien

<226>
<221> misc_feature

<222> (1)...(715)
 <223> n = A, T, C or G

<400> 213
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 tttttctctc tcttctttaa tgataaaatt ggactctctc ttgacactga tgacagcttt 120
 agtactcttc ctgtcaactt gcagactctta aaataaaaaa tactctcttg ttttcaagg 180
 aaaaaggtat acattagcac tatllagctt ggacttgaaa ctttctctat ctttctctaa 240
 atgtctgtta gctgacacga atctatttta caatgcagag tggagaaaaa agggagctat 300
 atgcaactga gaatgcagag atctgtaaat aaacatttta actgtcttct taagtgtgagc 360
 acatacagaa atacatttag atattagaat gtgttttttg ttgtgtacta ctacttaggg 420
 aagcaacttg tatagtctct cttctaaaaa tgaagttagt tttaaaaaaa catgtaattc 480
 aattgagorc tcaagttaaga tttttguga attttcaag ggatttggtt ttgtctaaat 540
 ttgtcaatt tttttagtta ctctgtataa ttttataaat gtctcaactg attttagtccg 600
 ttttctgct gctatgaaag caactacaa gcctgggtta ttttcaaaag gaaagaggtt 660
 aattgactc ccagttacaa ggcttgagga ngnatcccc gaactcttta ttgag 715

<210> 214
 <211> 345
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(345)
 <223> n = A, T, C or G

<400> 214
 agtaaaagag taactctggt cctccggggc cgggagctgg gggattcggg tgaactctcc 60
 ccaggccccc ttgggctctg tcttccaaaa tggcagctcc tctggaactg cchttctctc 120
 tcccaactgc ctgattcttc atctgttggg tctcctctgt ttctgggtgc taattctctg 180
 ctgtatgtta cctgcgaact tctgtcaaa cctgcctctt taactgctc accactctct 240
 catctgtctc ttaaatatgc gaagtgaag tgaacactga ggcctgggac agtctgtctc 300
 gctgttaac cagcacttt gggaacttga ggagcctaa cccga 345

<210> 215
 <211> 429
 <212> DNA
 <213> Homo sapien

<400> 215
 ggttatgcct cctcagggga agctcagggg ggaacgaaac ctccctgtga gacgaagggc 60
 aaagctctgc ttgactctga ttttcactac gaatacagac cgtgaaagcg gggctccgc 120
 atccttctga ccttttgggt tttaagcagg aggtgcaga aaagtacaa cagggaatac 180
 tggcttctgg tggcagagcg ttctatagga ccttgccttt tgatctcttg atgtcggctc 240
 ttctactact tgtgagagag aattccaaa gcttctgatt gttaacccac taatagggaa 300
 cgtgagctgg gtttagacag ttgtgagaa ggttagttt accctctga tgatgtctg 360
 ttgcctatg aactctctgc agtacyagag gaacgcagc tttaacaaat tgggtctatg 420
 gcttgcctt 429

<210> 216
 <211> 593
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(593)

<223> n = A, T, C or G

<400> 216

tgacacacat	gtccngcgtc	tgctacacgt	ttccacacac	agccagacgt	tggtccacac	60
tctgtcccca	ggatcacacg	tatctacaga	gggttatcac	ttctctctct	ttccacacac	120
aagagacac	gcagcctctg	gaagctgtct	taggagcctt	tggtctcaga	atttcagagt	180
cttgggtacc	ttggatgtgg	tctggaagga	gaacacctgg	ctctgggtaa	ggagtacagc	240
cgagggaggg	tcacagagcc	ctcaggtcaa	gcccctgtgc	cttagctcaa	agcagccttt	300
ggatggagga	gcaggttaag	tacacatagt	aagcgtccac	aggtagaaag	tggtggaggt	360
cagaattgca	cagtgcttag	gagtagtacc	tacatcaatg	agggcaacac	aactgaaaga	420
agagagccaa	ctaatgaatt	gatttagggg	aagagtcagg	gctctcatgg	agatcttctt	480
aggaagatta	ttgtttanaa	ttatgaaagg	antagggcag	ggacggggcc	agaggtatag	540
ganaacattg	ccctatcccc	ttgtcttgca	ccagatgctc	ggacagaggt	tca	593

<210> 217

<211> 335

<212> DNA

<213> Homo sapien

<400> 217

tgacacacat	tcacacacat	gagctgaaga	tgagcagctc	agggagaggt	tctgtgattt	60
ctctgtctct	tggtgtccgt	ggcaatgaat	ttttctgtga	agtggatgaa	gactcaatcc	120
agagacaaat	caactctaat	ggcctcagag	agcaggtccc	tcactctcga	caagctctag	180
acattgtctt	ggacctggag	cttgatgaag	acctggcaga	ccaccccac	cagagtgcac	240
tgatttagca	ggcagccagg	atgctttatg	gattgacaca	ggcccgctac	atccttaaca	300
acgttgagat	ggccagagtg	ctggacaggg	tgctc			335

<210> 218

<211> 248

<212> DNA

<213> Homo sapien

<400> 218

tcagtagcag	tcctggaagt	cttaggtaga	gaacaaatgt	gaataattta	tcacagaccta	60
tcctggaagt	gggacgttaa	gtacagaggg	aggtgtggcc	cttatcgcca	gaggtctgta	120
gatggtccc	gtcactgaag	ttttgtgtca	ctgcacgaca	ttgtccgaat	tactgaattt	180
ccgtagaatt	gtcgcaaat	ctaacgttgt	tcattcaga	ctatgtctcc	atgtttctag	240
tacttcta						248

<210> 219

<211> 530

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (530)

<223> n = A, T, C or G

<400> 219

tgagcgttgg	ccacttgaac	caagttaggg	aaagggacaa	agacccacaa	ggtggcctgt	60
cagccttttt	ctacttgttc	ttccctgttc	ccagggcccc	ctctgttagg	gtgtgctgtg	120
atctgtggac	attggtgcct	ttccacacat	acattctctt	ttctgtctca	cagcagctct	180
gaggtggagag	ccacacagac	taacttgtca	gatgagata	atgactctgt	gcacacacac	240
cccccacact	tctcactagt	tatagaaaga	gcacagctca	naacattcta	tactgtcccc	300
tgcctcttgg	acactcaatc	tgttccatgc	ccatctctga	ttctgtgtga	actttggagc	360
agccttggtt	ttcctctctc	ctccagcctc	ttctcctaac	atggtaaggg	gggtctgttc	420
cacnccasng	gtcaggtgtg	tctgtgggaat	ccthaaaact	gcacggaggt	tcchcagcaat	480

tcttaaaaaa cttcttggtt atctaatatg tgtctaatgg ccaaacctctn 530

<210> 220

<211> 531

<212> DNA

<213> Homo sapien

<400> 220

tgcgcgttgg	ccacttgcga	ctaatataga	ctctctaaag	gcctgattca	gagttgttga	60
aaattcttcc	agtgtaaggg	attgtcaggg	acagggctgc	tcctgtgtcc	actttacctg	120
ctgtgtttct	gctgtaaaag	gagggaaagg	gaatggctga	tttttaacct	atgtctcccc	180
glttttctat	ttctttttgg	atctctttct	ctgacaaactg	ttctcttttg	gtctctctct	240
tcctgtctcg	agagcaggtc	tccttaaaac	tgagaaaggga	gaatgagaaa	atgattaaag	300
aaaucaacct	tcgtgagccc	agagatcaaa	tattaggtaa	atctcaaaccc	gcttgctctc	360
tgtggtcact	ttctccctct	ttcaaatgct	ctatccctct	atcccccccc	tattctatgt	420
gcttttatct	gcacagttat	cgggcctctc	atcaaatctc	tccctctagc	tactggggga	480
tatccctctg	ggctctgtct	tggtgtattg	gtgtctaatg	gcacagctc	a	531

<210> 221

<211> 530

<212> DNA

<213> Homo sapien

<400> 221

attgacgctt	ggccacttga	caacccgctg	ccctgaatac	tggggcacag	gccttcaactg	60
atttccctgc	accagcttgc	actgcacaca	gagatcagaa	atgctaccaa	ccaagactgt	120
tggctctcag	ctctctctag	gagaaagaga	agagctctgg	agctcagcag	agagctctga	180
tccgtctcag	cccttggcag	caacttcccc	acccctggaa	ntaaagtctg	gcattgctta	240
acatctgggg	caactctctg	gaaacacact	gttggcgaat	tcggcctctg	ttctatcagag	300
catatttaca	caaacctctg	tactgtcagc	tactctccac	tatgtctctt	acgtctcaaa	360
ccgtaaacgc	atgggactgt	actgaatact	ggaagcagct	ggtgtatgta	cttatttggg	420
tatctaaaca	cagagagggg	acagtcaaga	tatgtctata	taaaccttaa	ggtacacgca	480
tcctataatg	agctctgtgt	gaccaaatgt	tgtcaagtgg	ccaagctcta		530

<210> 222

<211> 578

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(878)

<223> n = A,T,C or G

<400> 222

tgtatcgagg	tactgtctct	cgggctacta	ggcgtttgtg	tgtgtgtagt	acctgtttca	60
ctgaagaggg	caactctctc	cccggtctgc	ctctaaagag	ggggaggaat	tgcctcagcc	120
aaaggcaagt	tactgttttt	agcttgcgga	ctctcagcag	tctcagcccc	ctctcttctg	180
gagccttccc	agatttaagg	agctcgggta	aggaatctct	ctctccccag	caaccacaga	240
caaacacaaa	ccccctctat	tcttggcagc	catataatga	agaaagaaac	aaataataaa	300
atcaaacaaa	caaacacaaa	aaagagagag	gggaatctga	tatgtctctc	ctctctgttg	360
cttctagcgt	tccagctctc	aaaggcaggg	acggtctctc	cagaatgtgc	tgtctcagcc	420
agactcgggg	agatatagga	ggaggaagca	gagtcagcag	aaattgaaag	gtgggcccgg	480
cggctctctg	gggtctgtgt	tgtacttoga	gaacgctttc	gcttttttgc	ttagattttac	540
gtttgtctct	tggaatagga	naaacactaa	taataataa			578

<210> 223

<211> 578

<214> DNA

<215> Homo sapien

<400> 223

tgtagtagag	tagtaggtctc	ctcttgcgaan	ggactggctg	gtgaatggct	tccctgaatt	60
atggacttcc	ctctaacata	tctttatcatc	attaacagtt	gcataatatt	agactgtggt	120
gtccactgtt	caattgattc	ctagagaggtt	agtctttagt	atgttacttt	aaactgttat	180
ctgtagtgtc	ctgactgact	tttttgtttg	catctttgtt	tgcccaacct	gtcaattata	240
gctgcttagg	cttgagactgt	ccggtgtata	gcctttaaaa	tattcaaccg	tccagccacc	300
ttcaagatga	attaaagtca	ctaaatgctt	ctttgttttg	ccagacttgc	tatgtcaacc	360
ctcaatttct	gggtttcatt	tgggtggcct	aaatcttagg	gtgtgacttt	attagcatcc	420
tgtaacatcc	attccacagc	aagacccact	tccatataa	cttccagaa	gttctttgct	480
gaagcttttc	cttccaccag	ggagagccact	tgattttcta	caacttccct	catcagagcc	540
aaagaggtct	gggatatgga	gaccactaac	tcatataa			578

<210> 224

<211> 345

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(345)

<223> n = A, T, C or G

<400> 224

tgtagtagag	tagtaggtctc	ccaaagtgtt	gggattgcag	gaatgagcaa	ccactccacc	60
gtgtatcttt	ttctttatcc	ttctttcatt	aggtttctgt	tattcaagaa	gtgtagtggt	120
aaagtctttt	tcattcttcc	tggttaataa	atgatagcct	gggaataaaa	taaaaatttt	180
ttctttcctc	tttaggttga	ctaaagaaac	agcaaaata	gaactactcg	aaataatct	240
aagttccacc	cttagagaga	ctgagagagc	aatgaagaaa	gtgtgtatga	tttagatttt	300
gatacttggt	tagtagagcc	aggagagagc	caactcgtcg	ataaa		345

<210> 225

<211> 347

<212> DNA

<213> Homo sapien

<400> 225

tgtagtagag	tagtaggtctc	caaaactgag	tatgtgtgcn	actagaaacn	aaagcttccc	60
aaactggtag	caggacacag	cgttttaag	ggactctgtt	tctaaattaa	tttccacccc	120
ctctaaagtat	tctttctcaa	aactgataaa	gggtgtgaag	ctgtgctctt	ttccaaatcc	180
ccatttgcaa	cagctttcaa	ctaaagcaag	aaagggcag	ctgtacactc	ttcctgagtc	240
tgactgtgat	acgttgttgt	gatgtctaaa	gagctccaga	caacaaaggg	gacaaatcag	300
aatctctgtg	tataacagac	tccaatggag	accactcagt	cgataaa		347

<210> 226

<211> 281

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(281)

<223> n = A, T, C or G

<400> 226

agggagggga	ctgtatagac	gtagtgtgtc	ccaaacagtc	tgatcattac	ctctgaagtg	60
------------	------------	------------	------------	------------	------------	----

icagtytttt	ggacastgag	gcacacitgt	cactkattga	ctctocagct	ctaaakgctg	120
aaetttaaa	ctgtactgac	aggtctggaa	ttctagatga	ggctttacaa	agttcttctg	130
atcaactctc	ccacaaatca	gaagagcaga	agagggctcc	ttctaatatt	ggagaaacac	249
aggtggtttt	acaaacctca	ggagacact	aggtcgatga	a		281

<210> 227

<211> 3646

<212> DNA

<213> Homo sapien

<400> 227

gggaacact	toekccagc	cttgtasgg	ttggagccct	ctccagtsta	tgtcgagaa	60
ttttctctc	ggttttctcag	aggtattctg	agtcgcgctt	aaaaaggcca	agctctggac	120
actctgaaa	cttgaaatggc	caagtttctg	agctgagctg	ccctctgaag	ggctcactgaa	180
actcaaat	gttcaagctg	tggtgggggt	tgctaatgaa	actccgggac	ttccctgatca	240
gttctccctac	attgatcaat	ggctgagttt	ggtcaggagc	accccttcgc	tggtctcaat	300
actgacact	ctcaactttt	acctccagg	tcctcttgag	ccagacctgt	tttctgctc	360
gacactcagc	cggtttcggt	cgccctgtac	tgagctctctg	tgaggaagag	ggagcttctc	420
ctcacacagt	cccaacgct	taaaacccag	ctactccctt	aggtctcctc	catgtctctc	480
cggtctgttc	ctctgtaggc	tcactcccca	ttgcctcttg	gttgaacccg	tggttgaggag	540
agtagagccc	tcactcaacc	cttgagagag	caaacagctc	ctctgggtgat	gggtgctcca	600
cccccctctc	gcttttatgtc	ctctttttct	actctgaact	tgataaattg	gaacacccac	660
aatctctcct	tccttgaaaa	gcccagaggt	ttgacactac	tgatggagtc	tgtaactctg	720
acacattggc	ccacattggg	tgactgtcaa	agctctcttt	tgacactttt	ccactctgaa	780
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gaggggaaa	cttagaggaat	agtgattaga	gacacacttg	ggacactaat	gggacccaaa	900
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gggagctgct	cagaaaactc	taacctgttc	taagggagct	gaagtctctc	agggggaatc	1020
tgagtcaacc	ggagtgtttt	tagagcaact	ccagggagct	tcactgactt	acacacactc	1080
tgactctggc	gcacccgaaa	atagccactg	tccttatctg	gcatttgttg	ctcaggtcagc	1140
ccagatagct	aaahggaaac	tcacaaaact	agagggattt	tgctggagatg	aatatcagct	1200
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ctggcgccac	tgactctcaa	aatgtgcccc	taggaaaggt	ggatgcacac	atgtctccag	1500
aaagttagag	cttctccgag	aaaggaatcc	gaagggcccg	tgacagctgt	acacttgagg	1560
caggtgtgtgt	gttggctcag	gctttaccag	ccaccccttc	agacacaaag	gaactcttga	1620
tcgcctctac	tcaggtctct	cgatggggta	aggtatctaa	cgttcaacac	ggagagcaggt	1680
acgcctctgc	ctatttgcaat	gtacgttgag	ctactccaaa	ggagcttggg	ctactcactc	1740
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ggttaccaga	aaagtgttct	agcagctcaa	gatcgagctg	gacttttagt	cagcgctcctc	1860
aaattgtgtg	ccacagctcc	ctctccacag	ccaggtctgc	ctgcaaatcc	cgctactcna	1920
acagagagag	aaactctgpc	tcgaactcca	gagcccaaaa	aaatccagaa	ggttggttga	1980
tcctctctga	ctcttagact	ttcatacccc	gaactcttgg	gaacacttca	atcagtcacc	2040
tcaggtctaa	ccctcaattc	ggaggggaaa	agctaacctc	gctcctccgg	agcagtttca	2100
agattccccc	tcctcaagc	ctcaagagac	aaagagctct	ccgttgcaac	aaatttgccc	2160
agattaaatg	tcacaaaagg	ccctaaccca	cccttaggca	ccgtctccaa	gaacactaac	2220
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aaactctagt	actgttagac	actctctctg	gatgtggag	agcaatttct	acacaaaacg	2340
aaactcttcaa	taacttgact	aaatttttct	tcactgaatt	ctactccctg	ctaggtctgg	2400
ctgtttggcc	taggtcttga	taattggccg	cccttgagct	tgctctatag	tcagtctcct	2460
aggttagagct	tcacacttca	atggagctc	catcttgagct	ctcgaaccca	gaactcttgg	2520
caagttagaac	gaaagaaatg	ccactcaaaa	aaactcttca	caaatctaat	cttagcaaac	2580
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tggtgttggt	ctcaacttct	tgaaactctg	tatggagagg	tgctgtccta	cttgcctaac	2700
ccaaagagct	ccacttggc	aaactctcca	caaatctctc	tattcaagta	ccatagctct	2760
ccccaacagg	taacagatac	aatctctgca	cttgtctagg	gaacactctc	caatcaactt	2820

cctgaacaga	caggccctctg	ccattccattc	cagccaggctg	acctcttgggt	tgtaaaagg	2855
tccagagag	aaggactccc	ccctgcttgg	aaagagcttc	acccgctca	ccagatgcca	2945
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aaacagagcc	aactagaaac	ctgggtcccc	agggtctggg	caggccctct	aaactctgac	3069
ctaagctggg	tgaaacctat	cgattacctc	ttttctctaa	ttttgttaaa	caatgcctag	3125
ctctctgaa	acttatgtat	cttaagaccc	aattataccc	ctgttctata	acagaggagat	3185
caatgatctg	attcccccac	aaacacaaat	ggggaaatga	gtgtccaaac	tggtttttac	3245
tcaacctgtt	tttagacctc	ccctttccct	taataactca	gtttgtttac	acctgaattg	3305
actctccctt	agctaaagac	gcagagatga	ctccactctg	gtcttttca	tggagagccg	3365
ttccctcagg	acttaacttg	tgcagagatga	ctccagagac	atccagagat	gcactaacat	3425
gataagctac	tgtggcagac	taatactcga	gthccctaga	attctgcaca	ttgtctacag	3485
ccctctacc	cttcagcaac	caccacccctg	atcagtcagg	agccactcagc	acagaggcaa	3545
ggccctccc	cagcaaaagg	attctgaatc	actgaagact	tggatgaata	ctagtatttt	3605
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<210> 228
 <211> 419
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (3)...(419)
 <223> n = A,T,C or G

<400> 228	
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gltgttttag	agtggaatrr
ttgttgccgt	ccacagatgc
ahaaggatag	acccaaatga
ttcgatgtat	tggaacatgc
agctgaatat	actaatatta
gtagggaat	aaactacat
gltgttttag	agtggaatrr
ttgttgccgt	ccacagatgc
ahaaggatag	acccaaatga
ttcgatgtat	tggaacatgc
agctgaatat	actaatatta
gtagggaat	aaactacat
gltgttttag	agtggaatrr
ttgttgccgt	ccacagatgc
ahaaggatag	acccaaatga
ttcgatgtat	tggaacatgc
agctgaatat	actaatatta
gtagggaat	aaactacat

<210> 229
 <211> 148
 <212> DNA
 <213> Homo sapien

<400> 229	
aaagaggatc	ctgtatgtag
ttgtttaagt	agtttaatat
aggaatatcc	agatatggag
ggtttttgta	ctgtttggag
aaagaggatc	ctgtatgtag
ttgtttaagt	agtttaatat
aggaatatcc	agatatggag
ggtttttgta	ctgtttggag

<210> 230
 <211> 257
 <212> DNA
 <213> Homo sapien

<400> 230	
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gltgttttag	agtggaatrr
ttgttgccgt	ccacagatgc
ahaaggatag	acccaaatga
ttcgatgtat	tggaacatgc
agctgaatat	actaatatta
gtagggaat	aaactacat
gltgttttag	agtggaatrr
ttgttgccgt	ccacagatgc
ahaaggatag	acccaaatga
ttcgatgtat	tggaacatgc
agctgaatat	actaatatta
gtagggaat	aaactacat
gltgttttag	agtggaatrr
ttgttgccgt	ccacagatgc
ahaaggatag	acccaaatga
ttcgatgtat	tggaacatgc
agctgaatat	actaatatta
gtagggaat	aaactacat

<210> 231
 <211> 260

<212> DNA
<213> Homo sapien

<400> 231
taagcaggga cgggtatttg ctgatggat tttttttct tttttttct ttggaaacac 60
aaatgaaagc cagaacaaac ttattgaac aaagaacggg actaaatctg gagaaatgaa 120
gtccctcac ctgactgaca ttccattcta cctgaacttc cagtcctagg taggaagata 180
ggggggggag gggattatc tgatacaggc etattttaaag caactctgaa tctgtgaaac 240
aagtcacttg taactcttta 260

<210> 232
<211> 596
<212> DNA
<213> Homo sapien

<220>
<221> misc feature
<222> (1)... (596)
<223> n = A,T,C or G

<400> 232
tgcctctact gccttaccna ccaacaaatta gaacacaaat gagatgtaac ctcatatctg 60
gtgggattaa ccttatttca aaatccagaa gattggaaan gytatggaaq aaattagaa 120
atcgtggcan tcttgggtgg aatgtaaaaa aggtgtggcc actatgggtc aacgcatgaa 180
gctctctcaa aaaaactttt tttaactcta cctcttgcct gactctgagg ttgtttatgc 240
aaaagaactg aaatcaggat ttgaggaaa tcttcaactt ccccaatcca ttctgcttt 300
attcataata ctcaagagat ggaacaaac taatgtkcc tcccggtatg aatgacaa 360
cacagtgtgg tatatgcat caatggaaat ttttttagt tttaaaaga aaattctat 420
cattactaac aaattanata aactctgagg acaaaagct aagtgaata agcagggaa 480
ggagcaaac tgcattctc ccttatatga agtatcaaa gtgtcaaac tcttaagaa 540
aaagttaaa atgggtggtt gccaaacagt tggttaggcn agaaanahh ctatant 596

<210> 233
<211> 96
<212> DNA
<213> Homo sapien

<400> 233
tcttctgaa acccttctgg aactttaagc kctggtttgg taaggcaaga ggaagcttg 60
taaggcaaga ggaagcttg taaggcaaga ggaaga 96

<210> 234
<211> 313
<212> DNA
<213> Homo sapien

<400> 234
tgtaaataga gnatgtgat gataaaactt gaetggatca atagtgtcct ctataggatg 60
agcaaaagaa ctatgttctt gtgatggaa ctgctcctgg caaaaatgct gtgaacttg 120
ttgaaaagac acaaaagagt tttagatagt acataaattt agaatagatc ataaacttag 180
aatagtaact aaacttaagt caaaataat gcacgaagca ggggcagggc ttgaagaaat 240
tgaactcaat ttggaaagag taactactgt aggttagatg ctctcaaaa gaaacacmot 300
gtctgactta caa 313

<210> 235
<211> 550
<212> DNA
<213> Homo sapien

```

<400> 235
aacgaggaca gattcctkasa aagastgtty agtgaaasa gtgaaata agataatctc 60
caaggtccag tagacttatt taacacattt taataaatat attgataaa stttgttccs 120
tttcccaaaa atccatattg aagacacgca gaatgaatgc atatgggttt gaggtatagg 180
gttgggagto gggatgggga taagggggga aataaaac agagagggtt ctlanedett 240
tcatgaaccc aggestataa ttatttcaac tatltgacc wgaagtccag aaagagtggg 300
ggcagagggg ggagagaggg gcaagaaac gttttggga ggggggtccc aaagagggga 360
tctttagcgt gtggcgatcc atactgttlt caagggtccc ttaggtcttg caccctattt 420
ttctctctac taatatkaga ttaaacnctt tgaagacagc gttgtgtgtt tctctaatto 480
agtttctctt ccgtgtcttg cccacagtat agttgttaca aggggttgaa tgaatgaagt 540
gagattatctc

```

<210> 236

<211> 325

<212> DNA

<213> Homo sapien

```

<400> 236
tagactgaat catgicccct accagagtag ctagaattta tagcaacagg ctctacaccc 60
aggactctac tatlgatcac ctcaatggaa ttctctcagg cttaaaaagt ttggagggaa 120
attcgacct atgctaaac atggatgaac cttagagact ttatgatagg tcaaggaact 180
catgtctaaa aggaataata ttgatgatt cacttatat gagggtaccta ggtgtgtcaa 240
ttctakgaaa cccaaataa gaatgtgtt tgcacgggtt tttagggaaa aggtaatgac 300
aagttagggg acatgagtaa gtcta

```

<210> 237

<211> 373

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(373)

<223> n = A,T,C or G

```

<400> 237
tagactgaat catgicccct atctatcaa catctgcact tgaagtctga taggcatctc 60
agacttatct tctcccaag caactcttt attctcttct atctagatct ttattctctg 120
tcnigtctta cctcttcaa aaggttgcca aatccacaa agttgtctga accgaactct 180
aagaaatabo atgatttctt ctttttccc tctatctaac tctaatctca ttgaatata 240
atctgttcca gaatacaaaa naactcatgt tctactctat aagggggagt tgaacatga 300
gaacacccag acacagggag gggacactca caccacaggy cccttcaggg agttagggac 360
atgagtcagt cta

```

<210> 238

<211> 492

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(492)

<223> n = A,T,C or G

```

<400> 238
tagactgaat catgicccct atactgtctc agggctcagg aaagcatctc aaactggagc 60
tgacacactg gaaaggggtt gaggttaagtc acaaaagggg tctaaagaa ttgtccctca 120

```

atataagagt	gattagaaga	agtggacaga	gutaacocag	ttaaacakat	gagagataaa	180
aaaataatgg	caatttgtga	caaacactac	agggagaaa	taaggacact	aaagacatat	240
tgtgtcatta	tgaatgtgaa	gaacatctct	aaaagaaaa	ataacaaag	aaaagaaaga	300
aattctatca	aactgttaaa	gutaagagag	aaatlaaaa	aaactatat	taactgaatt	360
caaaaaggt	agaaagttca	aaagaaacaa	aaaagagaa	aaactatat	caatttgaat	420
tyttagtaa	actaaacag	aaagataac	actgggaatt	gaattctaac	gtangggaca	480
tyantcanto	ta					492

<210> 239

<211> 482

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> {1}...{482}

<223> n = A, T, C or G

<400> 239

tggaaagtat	ttaatgatgg	gaaacttgat	gttkaacttc	taactatcaa	ataatottct	60
gtattttttt	aaataacttt	tttttgatt	tttaagtaa	atttatcttg	agaggtaaac	120
tggattacac	actctatagc	catlagaga	ctctatgtta	aaacaaagg	aaatgttact	180
agatctctct	tgaataata	ggatgtgata	ataatctctt	tttgtctata	atggaaaagt	240
actanaaaca	aggaacata	atcttagatg	aaacacgtta	gaatttgac	taattttag	300
gaatttcagt	atctgggaaa	atgtggggaa	gtgaaacaaa	atttaataac	gaggaagcat	360
ctaacaaatt	ctggagataa	ggtgaaacaa	taactctgta	atttaacag	caatttctac	420
aaagtctttg	atkaaatatt	caaatttttt	ctataactaa	agaaacttaa	gaaacagtac	480
ca						492

<210> 240

<211> 519

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> {1}...{519}

<223> n = A, T, G or C

<400> 240

tgtatgaagc	tgtgtgtctc	cocatgtgat	agtatgaatt	atagctctat	gggtgagag	60
gctgtgccc	agccgaacaa	cogtaaaggg	tatgtgtctg	gtgtgattag	taaaagagga	120
aaactgttga	gttgagatag	aggaagggaa	ctgtgacatg	ctgtgacatg	gaaactgaat	180
gtctgggtat	aaaaacagat	tgtacatttg	ttaaatcttg	agatagagaa	aaaacacaa	240
tatgtcgagg	ggcgaacat	gttgagagaa	atgtgtctct	gtatgcttt	acttcccaag	300
tgttgaggag	gagggaaaca	taaatctggc	ctaagtgcac	ataacagcat	agtactctcc	360
tgtgaactta	atatagaac	agattctctt	gtataactgt	ttttttgttg	aaattctctt	420
tattataaac	ctgtctctct	cccgactaac	tgtgtgtgag	ataatgaac	taatatcaat	480
aaatactaga	aggaactctg	agaaactaac	gtatgataaa			519

<210> 241

<211> 771

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> {1}...{771}

<223> n = A, T, C or G

<400> 241

tgatagccag	tagtgggtatc	caatcccgac	ttgaaggggc	tactatctgc	cttccaggcc	68
adgtgcagc	ctcccgagta	gaagttacit	atgagacaba	ccagtgtygc	cttcttggt	120
tgaaagtcc	tgagagggg	tggaacaga	gtgacagag	ggagagctt	gggtgacot	180
aggacggca	gcttggctcc	tccgcaaac	aggaagctg	tgtgtgtgt	atatgagctg	240
cgtaataat	cagctcgtc	ctcagctgg	agccagaga	tggtcaggg	ggcgtgtgt	300
ccaaacttg	agccagagaa	gcgttagaa	acccctgag	gcagatacc	gacctcatc	360
atcatgaatt	tgaggcttt	gcvtgggtgc	tgttgggtac	angagacatt	attataacca	420
ccaaagtac	tgctgggtcc	antgcggga	aaatggttga	tcaaacctgc	caagaaaccc	480
actacgtcc	taccaatcca	ctaatggcc	gcgcgtgca	ggctcaacca	tattggggaa	540
aaactcccn	cgcgctgtt	ggattgacat	aaacctttga	aatttttcc	tattantgt	600
cccccacaa	tataacnttg	ggccttaac	cattgggtcc	ataccttntt	tncccggttt	660
tlaaancttg	tttatcccg	cccccaatt	ccccccaac	ttcccaaac	ccgaacact	720
tlaaatctnt	ttaaaccttg	gggggttccc	maatttman	ttaaaccttc	c	771

<210> 242

<211> 167

<212> DNA

<213> Homo sapien

<400> 242

tgggccctt	caatatccgg	ctcatcgata	ccatccagct	gctgagctg	ctgttgctgg	60
tctctctag	gaactcttg	cttttaaat	cttttgagg	attcatcca	attatcgcc	120
tctctctct	tctctcttt	tctaaaggt	tctgttaca	gcgttca		167

<210> 243

<211> 338

<212> DNA

<213> Homo sapien

<400> 243

ttgggcctt	tcaatatctc	ctgacttaca	tactgttgtt	tgaggcctct	ctttctggc	60
tcaaatctct	tgccaaaggt	caatatccac	tttcaaatag	aggttaaat	cttcaaatgg	120
ctattcttga	caaatcttag	ctagagccag	caattttaca	caaggtattt	ttccactgtt	180
taataaacgt	ggttttccca	cccccatag	gtgcaccca	gggagtgatg	caaatgttga	240
gaacaaattt	agaatctaga	agacaaactc	acttaccatt	tccgtctatg	ctaacaccca	300
gttcaactgt	acatttctgt	tctatctggc	aatccaga			338

<210> 244

<211> 346

<212> DNA

<213> Homo sapien

<400> 244

tttttggtc	ccatacagca	cactctcatg	ggaaatgtct	gttctcaagt	caacccata	60
tgcaaaata	atcaatatat	ttgaagatcc	cgtgttaag	tacaaatgat	ttaatattat	120
caatgatcca	atgactccaa	taacagtttt	agttgggca	tgactcaaat	cactgttttt	180
gttgtctcaa	aaagcaata	tttagtttat	atttaagtac	aatattgtat	gaacaaagat	240
gttctatctt	ccatgtctaa	ctaatgtatc	gtacttggt	gcagtgaata	ttactgttaa	300
agggaaagag	gactgaagac	gagctaaaga	tattgaaggt	gcocaa		346

<210> 245

<211> 321

<212> DNA

<213> Homo sapien

<220>
 <221> misc_feature
 <222> {1}...{521}
 <223> n = A, T, C or G

<400> 245
 accatcccca ccgggtact gagggaacag tatatcatcc catctcatcc ctacagcagg 60
 aacttoatga ggcaggagtt attagtcaca ttllacagaa gagggaactg agacttaggg 120
 agctcatgta atttgccacg ctgcgcacat tagtgataga gccagggtct gaggcgagct 180
 cigtcttaag ccaattgcac ctgcagatta ttaggagcac tgtctccac asdagtgat 240
 ggcctctgct anagctccag gtccacaagg ccaggagatt ttgtctgatt tgcctattgc 300
 tccctcccca ttgcttagag ccaggtctgc ccaggaacag gtctccaatg catagttatt 360
 aantgtatat aagagaaac atagttaac gaggacitlo tgiatgcttg tcaactaacat 420
 gaatcacctg tgaattgggt atgcttgctt cccantgtg cagatnaaga tattgaangt 480
 gcccaaatca ctanttggtg gcgcctgcac gtccanata t 521

<210> 246
 <211> 482
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> {1}...{482}
 <223> n = A, T, C or G

<400> 246
 tggamccatt ccaattatcc atcaatgata gactggataa agaaatttgg gaacatgttc 60
 accatgaast actatgcacg catataaag gcttagttaa tatcttttg agggcatctg 120
 atgaagcttg agacatcat tctcagcaaa ctacaaaggg aacagaaan caaacctctg 180
 atgtctctcc tottaagtgg gagctgaaca atgagacac atggacacag ggaggggaac 240
 atccacacgt ggggctgct ggtgggttag ggtctagggg agggatagaa taaaggagaa 300
 taactaaagt agatgaacgg ctgctgggtg cagcacaaca catgtgcacg tctatcccca 360
 tgaacaaac ctgcatgttc tgcacatgta cccagagact taaagtgtta ataaacaa 420
 taagaaaaaa gtaaatgtat tctatagata ataatattt gtaaatattt aaggtgcccc 480
 aa 521

<210> 247
 <211> 474
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> {1}...{474}
 <223> n = A, T, C or G

<400> 247
 ttcatatccg gacacagctc agcagaaaaa tggctgtggt ttacccaaat gactaagatt 60
 aagttagaga ggggcagaga agacaaaggg atctgcaggg ggtgattata acaagttggt 120
 gtcttggaga atgaggtctc tggggatgta ggaacagtag acaagtggga caaagtgtgt 180
 gaacacagga atgtgacttc tccagaaatt gatttctgga ggaagtaaat aactatccag 240
 ttctgggtat catanagcca cagttgaggt ataggaggtc gaagtcacag tgggtatatt 300
 gaggtttatga aaggttttgt actgaactgt atgcacaaag tctgggttat gaacatggga 360
 atgaatgaat gtanaagcgt anaggtatga actattccac gaaaagggg tccnaaaact 420
 aaaaaanaca gnnnnagggg aattattatt atgttgatatt gaangtguc caaa 474

<210> 248

<211> 355
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(355)
 <223> n = A, T, C or G

<400> 240
 ttcgaatacag gcaaacctga actgcaggag ggtggtgacg atcatgaggt tgcggatggt 60
 cccggtgggnc acgaagagcgc actgganccg gtgcttaagt ccttttgctc tgttgaaggc 120
 cctgaaggga cgcaggaccc ttatgacctc cagcatcttc acaacgggag atgggaactg 180
 atgagttcc atggaccccc gagagaccgc aacacacagn atactant atgtgtgtg 240
 ttccgtaga aggcacctt gtggagghaa gctccatg atggtctctc tccacgggat 300
 ctcaacagtt tccgatgggt gtagtgggca tagtcatant taacatgtgt tggan 355

<210> 249
 <211> 434
 <212> DNA
 <213> Homo sapien

<400> 249
 ttggattggg cctccaggag aacacaggga aaagggtag caggggctc ctggaactca 60
 aggatcttcc ggagcaaaag gggatggggg aatctcctgt cctgctggtc ctttaggtcc 120
 accgtgtcct ccaggtctac caggtctctc aggcctaaag ggtacacag gctctaatgc 180
 acccgctagg caggaaggtg aaggtggtct tccggggctc cctgggcctc caggtctaac 240
 tggtagagtc atccagcttc taccactctt gtcctccaa aaacagagaa gactctctga 300
 aggcattcac gctgatgag atgatatat tcttgattac tggatggaa tggagaagat 360
 atttggtcc atcacttccc tgaacacaga catggagcat atgaatttc caatgggtcc 420
 tccagccact ccaa 434

<210> 250
 <211> 430
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(430)
 <223> n = A, T, C or G

<400> 250
 tggattggct acatggcaga gacaggatc caagggcgtg agaggaggtt acaatggttc 60
 tcaatagttt ttattatltt ttttattttt gaggtagagt ctgctttttt ctccacgggt 120
 gggagagcgt ggtggagctt tggctctctg caaccctcgc ctccagcaat tctctgtct 180
 tagcttcagg ggttagatga attacaggcg cccaccccca tgcctcaacta atttttttgt 240
 gtcttcagta gagaacgggt ttgcctatgt tggcagcgt ggtcttgac tccagaccc 300
 nagtatttct cctctctcgt cctccaaag tgcgggaatt acagggcagg gctgctgccc 360
 ccagctcaact tctcctcagt tatggcttta tcaatttccc ccaattctat tggcctaaag 420
 aaaaaaaan 439

<210> 251
 <211> 329
 <212> DNA
 <213> Homo sapien

<400> 251

```

tactactaca ccatatctggg gtaaacggcc atctcgagcc tctctctggg tcttctccaa 50
ggagctctgt ccagagtgga gctgtgtcag tctggagcag aggtgaaaa gtccggggag 120
tctctgaaag tctctctgaa ggtgtctgga taccacttta agatctactg gatcgctgg 130
gttcgcagag tgcctggaaa aggtctggag ttgatggggc tcatctttcc tcatgaactct 240
gatcccgagt acagcccgct cttcnaaggt caggttcacda tctcagtcga taagtacctc 300
agcaccggct atctcgagtg gagtacaa 329

```

<210> 252

<211> 536

<212> DNA

<213> Homo sapien

<400> 252

```

tggtaactca ctcagcccaa ctttaatha gaattaagag ggaacctatt actattctcc 50
caggtctctc tgcctcaacc agctctctgg gacagtatta gaaagaggtg tctcaaccag 120
tatgtagctc ctgtactggc cttaagaggt aaactgaga tagcataact cagaccacac 240
tkaactggct ttgagacttg tgtctctggg cagctgggat aggaactctt ttggggagca 240
agaggaagaa ctgcctgaaa gggggcctca tctcaaat tacaagggga accccaccca 300
ggccaccttc ccagctctca gcttagagta ttajcatttc taagolagag actcacact 360
tctctgctta gactgtccaa ccggggggag tctctgtggg tcatgaggct ctcaagagtg 420
agagtggcat ccatctctct gtgtccacac agagagctgg ccagagactt agcaggtgaa 480
gtttctggtc caggtcttgc cttgaclica ctatgtgac tctgtgtggg taucac 536

```

<210> 253

<211> 507

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(507)

<223> n = A,T,C or G

<400> 253

```

ntgttgcgat ccagctcaat cgggaagctg agggggagag atcaacctgag ctacaggagt 50
tgagcccgca gtgagcggcg accacggcac tacaactcag cctggggcat agagtgagac 120
ccctccagag agaaagaaa agaaaggaag gaaagggaaa agggaaaang aaagggaaaa 180
ggaaaaggaa agaaagaaa cagaacaaa caagactctg atttgatct cctgactctc 240
atttttctgt cttctacac caccatttct ctgttacta agatgataat tttagagccc 300
ctgttcccat tctttacag aagctggag ttgtgtcag taatlaaat aaatglaaaa 360
aatttgaaat ttatattgaa gttgttttct attactgctc taacthaat ctacacactc 420
tgatataaat acaatgctg ccgggtgtgg tggctatgc ctgtaatccc ggcactttg 480
gagaccggag ttggggggtg gcaacaa 507

```

<210> 254

<211> 222

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(222)

<223> n = A,T,C or G

<400> 254

```

ttggatttgt cactgtggag aagccaaatc ggaaccaga gtctttttct aaaggccagt 50
actggcaaac atttctctg ccgccttct caaagctgaa gcaaccaga gcaaggctgt 120
tctgttttcc ccccaatg taactccaaa caaagatggt tagtctccc tgcctactct 180

```

tccacatccn tctattccg tatagtccgt ggcacacac aa 222

<210> 255

<211> 463

<212> DNA

<213> Homo sapien

<400> 255

tggtggatc	cccaaatgct	gaaatggaaa	taaacacacat	gatgagggag	gcttaagttg	60
gggaggagc	ccattaaagt	ggccatgag	tttgtggaa	gaagtgaatt	ttgacacagg	120
ccttgggtg	agagagctgat	gagagtgtcc	cagacagagg	ggccactggg	cccaatagagc	180
agatggggag	gggcttgga	gggtgacgaa	ataggaagga	gtttgttttg	gtatgagctc	240
agtgaacaca	gaggcgagag	gacctgtgtg	gtccagctgg	agagtattgc	agaaatacat	300
tatggccctgt	ggggactgt	agactgtcag	caataatcca	cagttgggat	tttattctaa	360
gagtgatggg	aaagcgtgga	aaaggggtta	agaaagggat	gaatttatca	gatttaccgt	420
gataaasta	aattgggtcg	gtactgggg	aaaaaaaaa	aaa		463

<210> 256

<211> 462

<212> DNA

<213> Homo sapien

<400> 256

ttggatggg	caactatgct	caactatcgt	ttctctcttc	ttctcaaaa	attaatgaal	60
ccaatcaact	agtgcaaaa	cccttgggtt	ttatcaatat	ttctgttaaa	aaatattatc	120
cagagctgga	caataatctc	caataataa	caatacaaac	ccctcatctg	gatgcaaaa	180
ttctattaa	tatgttaaga	tcactttcaa	tttccagagg	caacatcttg	ttgatgttat	240
tttgaagtt	ggacacac	aa				262

<210> 257

<211> 462

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (461)

<223> n = A,T,C or G

<400> 257

ggggmmmmn	nnccaatccg	actaaqtkac	ctttgttanc	gttcagacatg	ggccggggag	60
tacccttgt	nnctggggg	gtatggggga	ctatgacgc	tttgatcttg	gggtgtatg	120
gggcctatga	cgccttgtat	ttgggkgtgt	atggggagat	atgcacgctt	gtcgggtgtg	180
cggttaaac	ggcgcaagg	agtgataga	agctggcttc	cgggtctctt	gcacgtgtag	240
ggakcttga	ggcacaatct	cgactgtg	tgagggcgtt	ggacacatgc	gtgctcgtac	300
agggcgacga	ggacatcgcc	gacacggc	gggtacagg	cgagctatct	cggtgtcaga	360
tcccgcttc	ccggacatc	gagaggtta	cgttaacgg	tggtccggac	gtgcacagga	420
agtcgtcgga	ggagcttagg	gtgtgtact	aaaaggggtc	a		462

<210> 258

<211> 332

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (332)

<223> n = A,T,C or G

<460> 255
 tgcgcgccttg tagctggggg tgcctggggg actacgacgc cttgtagctg ggggtgtatg 60
 ggggactatg aacgctgtga gcctgggggt catgggggaa catgacccgc tctagctggg 120
 ggtgtatggg ggcctggggc cgtctgtagc tgggggtgta tgggggacta tgaacgcctg 180
 tagctggggg tgcctggggg actacgacgc cttgtagctg ggggtgtatg ggggactatg 240
 aacgctgtga actgggggta tatgggggac tatgacccgc tctgtctgct gggggtgtgg 300
 agggaggttg tgggtggggg aaaaaaaaaa aa 332

<310> 255

<311> 291

<312> DNA

<313> Homo sapien

<220>

<221> misc_feature

<222> (1)...(291)

<223> n = A,T,C or G

<460> 255
 taacgccttgt gacgccttgt gacgccttgt gacgccttgt gacgccttgt gacgccttgt 60
 gacgccttgt gacgccttgt gacgccttgt gacgccttgt gacgccttgt gacgccttgt 120
 gacgccttgt gacgccttgt gacgccttgt gacgccttgt gacgccttgt gacgccttgt 180
 ggggtctcgg ggggctatga nngantgtga cnggggggtg ctgggggact atganngact 240
 gtgcacacatg ggggctatga ggggctatga ggggctatga ggggctatga ggggctatga 291

<210> 260

<211> 238

<212> DNA

<213> Homo sapien

<460> 260
 taagagggtg ctgggttaaa taacggaaat ctggggtaat gaggcagaga accaggatgc 60
 rttaggggta ggggtgaaac ctgaaattta tttcttttt ttgctctgaa aactctgtg 120
 ctctgaaagg gccatctgat taattgtttt gatcttcttt ttcttcaagg ctttcaagg 180
 gcaaggaccc ccttatcttg aaggatcttt atctttagct atagtatgta cctcttta 238

<210> 261

<211> 746

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(746)

<223> n = A,T,C or G

<460> 261
 ttgggacact caactatcaa tagctaacct ttattgagtg ttatctgtat caaaaaaac 60
 tgttttaagg ctctaaagct actaatctat ttactgtctc taatcaattt agaggggtgg 120
 taactgtatc agtctccttt aaagattgaa catggaaggca cagagaggtt acttaacttg 180
 caacagggtc gacagctaac aaatagaaac aaatctgaat ctgggaaggt ggggtctgtg 240
 gtaacacaca gagcttctca tgaacccagg gctcaactca gtttgtcttt caaagcgaaa 300
 tgaataaccc caatttaatt agtgagtagg caaataggag gtccagctacg agtttctgct 360
 gttctttgag tggagtgaca gacttttaca agctctggcc atcagtwaaat ggactgatta 420
 taatttggag gtgggttgag tgaatttgg atagtgagat ttattcaawc caatttttta 480
 tgtttagagc gacttttggc tggctctagg gcaagccctg tctgacacgg aacacagcat 540
 wacacaggga cccctcaaat tcttgggttg gctagaacca tgaacacact gtggggggaa 600

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caaggggtcca aaacctaagt gggggggggt ggcagggtgc aacctaattg ggaacactcc 660
caaggggttt ggaatgctct agctagaatt attctaaag ttgtccactt aaatktgac 720
tgggggttaa tcaagggttc aaagac

```

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<210> 262
<211> 588
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(588)
<223> n = A,T,C or G

```

```

<400> 262
tgaagggttg tcaatccaca tgggggtctg caagcttttg caattgtagg aaacctgaca 60
tttgtctgtt tcttctttct ctcttctctc cctatctctc ctcaatttacc ttltacttgt 120
tttgtgagga ggcaggagct agagacttgt gtagctctct tgggggtgga agtctatctc 180
tcaagctccg cccactctat acgtgtttct acccttccct gacdaggtct acaagtgggt 240
tcttgctctg ttctctcttg gacccacaaa ggcctgttaa tgaagtgtga tgaactctgc 300
agctgtgggc tcaaggtctt tgggtacaga tgcactgtaa aatctctctt caagtctctg 360
caaatgtgta aaataaccac atttctttag ttccagtacc caaatctgtt cttaaccgac 420
tgtctctctc acccagagc ggcacataa ttcttggggg atttattctt tttttttctt 480
ctctctcttc gmmgghnang gmmgghccag gaattaccac ntgggaagac ctggccnypaa 540
tttatctata agggggagcc atttcttttc ctacacaaa ggggttca 600

```

```

<210> 263
<211> 730
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(730)
<223> n = A,T,C or G

```

```

<400> 263
ttttttttt ttggcctga gcaactgaaa ttatgaaatt tcaataact caaaagagta 60
agactgcaaa aagatttaaa gttaaagtty tcttgatcac agtattgttt aagatactta 120
ttcaatttat aaatggaana ttagggaatr tggatataca agttgcaatt tcaagagtgga 180
ggttgggttg gctgggtata tactgaaacg tgcctgtaca cagctgcaat ctcaaacacac 240
aaatctaggt ttattttgag agtgaatgtl gtcaatctca caaaagcatt ccaactgtgc 300
ctcggctaac acaacaagtc accttctctc agcctctctc acataacaaa attccttagt 360
ttagttaagg aggaataagc ccttttctct tccgtctctg gtgacccgaa ggcctagttc 420
tcgtaccaca gatgttaagc gactgtctgc aaagtgggat ctgaaggaaa aagagggaaa 480
tggagtgag cacaagggaa agccaaagga aaactttgga gaccgtttct agacccctgg 540
caattctaaa caaaactcng gacaaacct tgtctatcaa atcaattttaa ccttctgttt 600
ggahnaagct ttctgaactg ggcgtgaaac taamctcaa tgaatgtctt caactgtctc 660
ccagctgagc gcaacacttg ggcagaagc ggaattcttc aggtctctaa naccaggttc 720
gcaatttgc

```

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<210> 264
<211> 735
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature

```

<222> (1) ... (715)

<223> n = A, Z, C or G

<400> 264

ttttcttttt	tttgccctgt	atgagagctt	ctacacatt	attgaagctd	ttaggtcat	60
tacactaac	gtgtttatag	atgtgttga	gtttactct	acacactgc	tattttctcc	120
gtctctttt	tgtttacttt	ctctctttt	ctctccctat	ttataacttg	aatttttttg	180
gattctatt	tatatagatt	ctctagctat	aacuctttt	attttttgt	tttgggttc	240
tcctgtact	ctactgtgca	tcttaaatc	ctctacact	attttctaat	aatatcatat	300
aactttact	ctactgtgca	atctaacac	ctactcttc	ctattttccc	ttccctacta	360
tggtgtctat	attttttctt	ttatatagt	tttaagaga	taattagtata	tggtgggttt	420
ttgttaaaa	tggtatcaat	attctttcaa	gttaacgtta	aacttcaaaa	taatatcttg	480
tttttctca	actttttctt	ataattttta	ctattttctta	tactttttca	gaattctgaa	540
gcatgtgttt	ttctctgttt	agcaactctc	tcttaagcaa	tcttaagcaa	atttagcttt	600
ctgggagagg	actttttctt	agcttgggct	tttaattgtt	ctcttttaag	gttaaatctt	660
ggcgggggaa	tggtactctc	aggttaacag	gttttttttt	attttttttt	ctctct	715

<210> 265

<211> 152

<212> DNA

<213> Homo sapien

<400> 265

tttttttttt	ttttctctca	cttaagctca	ttattttctt	cttaactttt	caactatagt	60
tgattctctt	gaagaggtta	tgattttctt	agaaacatg	gtactctatc	tatcaatctg	120
ggttaactct	tttttttttg	agcgggtgtt	ta			152

<210> 266

<211> 193

<212> DNA

<213> Homo sapien

<220>

<221> minc_feature

<222> (1) ... (193)

<223> n = A, Z, C or G

<400> 266

taaaatctgt	ctctttctta	atcaatctgt	aggttaacaa	ctctctctta	ctctcttttt	60
aaaggtctgt	ctctgtactt	gttgtgtgta	ctcaagctca	ggtttctaaa	ctctcttaaa	120
ctctctctta	ctgtgtgcaa	ctgtgtgcaa	atgttttttt	tttttttttt	tttttttttt	180
gagcctggtg	tta					193

<210> 267

<211> 460

<212> DNA

<213> Homo sapien

<400> 267

tggtgtgctc	ctctgtgctc	gggtgtgctt	aaaaaaatgt	tggtgtgctc	taaaatctgga	60
atttactgtt	taatttttga	gattgtgtgt	ctctgtgtgt	aggtgtgtgt	gaatagcttct	120
ttctgtgagt	taatttttga	gattgtgtgt	ctctgtgtgt	aggtgtgtgt	gaatagcttct	180
ttctgtgagt	taatttttga	gattgtgtgt	ctctgtgtgt	aggtgtgtgt	gaatagcttct	240
ggtgtgtgtt	gaatagcttct	ctctgtgtgt	aggtgtgtgt	gaatagcttct	ctctgtgtgt	300
ggtgtgtgtt	gaatagcttct	ctctgtgtgt	aggtgtgtgt	gaatagcttct	ctctgtgtgt	360
aaatagcttct	ctctgtgtgt	aggtgtgtgt	gaatagcttct	ctctgtgtgt	gaatagcttct	420
taatttttga	gattgtgtgt	ctctgtgtgt	aggtgtgtgt	gaatagcttct	ctctgtgtgt	460

<210> 268	
<211> 533	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)...(533)	
<223> n = A,T,C or G	
<400> 268	
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acattcgccc gtggggaacc cagatagctc taaggcgctg taatttagag taacctctgg	120
acgcctcgga gcgttcgatt taacgggaag gaggagtgaa gtgggcttgc gccccgggac	180
aaattcttgg ggggttttaa ggcgcggggg aatttaggtt atctctatca gtatgtagcc	240
aagtgtgaac agtcgccatt ccggaaatcg ctctcttga atccgnaacc cctccagcat	300
tgcctcatct atcaacctga aggcacgact aagtgagctt gtgtctttaa gtagctccac	360
tccataacta ggcgcctcga cctcgtcttc gtaagcgcca ggtccgtgag tgcgaattcc	420
caactccggt ggtgtgagaa ttcaagtttc cgaacctgtt cgcctccacc atttggcagt	480
ttcagcatg aacgggaata aactcgttcc gtacgggaa tgggtatgca aca	533
<210> 269	
<211> 50	
<212> DNA	
<213> Homo sapien	
<400> 269	
ttttttttt ttgcctgaa ttgcctaacg atctctctca caagcgttca	50
<210> 270	
<211> 519	
<212> DNA	
<213> Homo sapien	
<400> 270	
tggtgagatc caataaaacc aacagcttct tgcacacttc gacgaagca ccgtctcttg	60
gctgagtcac gtgacagctc agtcgaagca gcgcgtgccc agagcagagg tgcagcatcg	120
tgcacaaacc gtacagagctg acctctctca gaagatagga ccggtatgag cctccgttaag	180
tgtcccaacc ctctctggcacc tctctcagca ggcattcccg ccgtctcagc caatctctgt	240
caaaagcttc gagtattctc ttctcagctc tctgttgc acacagctg ctacactctc	300
tcaacagcaa ttcacaaacc tccagctaac catcagactt cgttgagacc tctgtctctc	360
taattggctc caacagttcc aggcagaggg tgcattcttt gtaggcactt ttggcaggga	420
ccagagcttg catggttcac tctcttacct ctctcagaa ccaacagagc gcaacagctc	480
ccttgggttg catgttcact atctctctgg atcgaaca	519
<210> 271	
<211> 457	
<212> DNA	
<213> Homo sapien	
<400> 271	
ttttttttt ttgggggggc gaacggagct gcaactcttc agtagaggct gaagctcttg	60
ccaatggacc gctatgggga ggtggagctg tccgacttgc agaggttcca ccgggctcgtg	120
gaacagacca atgttgagac ctattctcgc taattctagg gtctctagga cgcctggggg	180
aaagctctgg gcccgagctg cgttgagctt gaacagctg taagagaggg cctgaagcac	240
attagtgagc gatgtgtgtt cctctacttc caagctgggg aagagctcta ttgaaagat	300
ccaaatcagc acttcagaaa aaacttgaaa gtaacagcag tgcctacctc acttaagat	360
ggaaacactc aaaaatttgt agatctctag tctctctcgg caaacctggt ggaatgttg	420

ttctctggaag attaagattt taggatggaa atcaaga 457

<210> 272
<211> 102
<212> DNA
<213> Homo sapien

<400> 272
tttttttttt ttgggcaaca acctgaatac cttttcaagg ctctgggtty ggtcacaagg 60
agcaggggaa atgcaacttg ccaggtcaca gggcaatcaa ga 102

<210> 273
<211> 455
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(455)
<223> n = A,T,C or G

<400> 273
tttttttttt ttggcaatca acagggttaa gtcttggcc gaagttaato tagtgttttt 60
ggcaatcaac aggtttaagt ctctggccga agttaatctc gtgttttttg caatcaaacg 120
gttaagatct taggctggag ttaattctgt gtttttggca atcaaacagg ttaagtcttc 180
ggcggagttt ctctctctgt ttltggcaat caccaggttt aagtctctcg ccgaggttaa 240
tctgtgttt ttggcaatca acagggttaa gtcttggcc gaagttaato tagtgttttt 300
ggcaatcaac aggtttaagt ttctggccga agttaatctc gtgttttttg caatcaaacg 360
gttaagatct taggctggaa ttaattctgt gtttttggca atcaaacagg ttaantcttc 420
ggcggagttt aattctctgt ttltggcaat caana 455

<210> 274
<211> 461
<212> DNA
<213> Homo sapien

<400> 274
tttttttttt ttggcaatca cacttggatg aatcaaatg gaatatcttc ggttaaatca 60
ttggcaatca aatcaaatg cacttggatg aatcaaatg gaatatcttc ggttaaatca 120
tcttggatg gcaaggtctg ttcaaatca gaatatca aatgtatct cctcaatca 180
acagaaatca agcaaatca cacttggatg tcttaatga ttggaatga gcttggatg 240
aattcaatg cacttggatg taatcaatc taatcaatc gatttggat gatttggat 300
caatcaatc agatgtatt atcaaatca caagcaatc aatcaatc atggaatga 360
acttggatg tcttctttg aacttggatc agcaaatga tgcctctct cacttggat 420
attcaatca gatttggat ttcttggat gcaatcaag a 461

<210> 275
<211> 729
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(729)
<223> n = A,T,C or G

<400> 275
tttttttttt ttggcaatca caagtcttc cacttggatg gtttttattt gtttttattt 60

atgaaacaca	taggaaggtg	gctgttaccg	caaacatttc	agatagaaga	acgggcacag	120
ctcccaaac	cccacattca	cagcctcttc	caacagtttc	ccanagatgt	tgtctcttca	130
cttgcacatt	gaggaatgtt	ggaggttgac	atttnnagtn	gongggaacc	catcagtgaa	240
noantaaaga	gaantacgat	gactttgana	nacacatgat	gaagaaacac	ctaacngana	300
cccttttatat	cgcttttanga	tctcangtcc	ctactaatgt	cgcccccctg	cnggtccacac	360
atttggaga	actcccccnn	cgttggatcc	cccttgagtg	ntcccatket	ngtccccacn	420
acacgncctg	ngnngnancn	cnnccctcna	ccntgtttcc	ctcngatnas	aatngttttt	480
ncggcncccc	naattccccc	ccnaatccac	gggaacccng	aaggcccttc	caagtgttta	540
anggcncngg	gtttctctct	ntanittgag	ccctaacctcc	ccctttnnnt	tnccngtttg	600
tgggcgcctg	gncnagccct	gttctctctt	ngggnaacaa	ccatngtccn	nggnccttcn	660
nnctattctc	tnnaacttgc	tngcctctcc	acnccggcgg	ncanngcaca	ttacnncnac	720
ntgtancc						729

<210> 276

<211> 339

<212> DNA

<213> Homo sapien

<400> 276

tgacatgaca	tgtagtagat	acttaataaa	tatttgtgga	atgcatggat	gaagtggagt	60
tacagagaaa	atagaaaaag	tacaaattgt	tgtagtgtgt	ttgagggaaa	attatgactc	120
ttcccacagt	tctgaacttc	ctcvaagaca	gggttagtgt	ctcctacacat	aatcttactt	180
gcctttgaaa	ctcaaatgtg	ataatctatt	tagatgtgta	atttatcttg	actggctata	240
aactattaaq	tgctatgcaa	tatacaattt	aactctgatt	ctccctctct	gtgctataga	300
tatgtaggtg	ttgactttta	tggtatgcaa	gtcactccc			339

<210> 277

<211> 664

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(664)

<223> n = A,T,C or G

<400> 277

tgacatgaca	tccatacaaa	aactcttctc	acttatcttc	ctctagggga	atttcttgaa	60
aagctctcac	aggaacacaa	tgtaggttag	acgtgcacaa	gtggggggga	gacacaaag	120
taagacacaa	gcttttacct	tcacacagga	gtcacagta	ctttgtcaga	ctcgttggcc	180
agaaatagac	tccatattga	agccctgggc	cgatattgac	attccaaatg	gcctatgctg	240
agaggggttt	tgcatctctg	tcagatagag	aagcaattgt	gtgctggaga	actccctatc	300
gactaagtga	gcatctcaga	cttgagctag	caggagaggg	actaagatga	tgctgagaga	360
actctttgta	attggctttc	tctaaataaa	ctcgttatgt	gacacaaatt	tcacagagaca	420
gtacagtgca	aacgggaact	ctctcagaca	accacaaan	agatctctta	actttatgct	480
ccctttgggg	cttgattaaa	tctaaatatt	tatctggctc	gcaagtctga	agcatgtctt	540
aagatgatta	gtactctctg	actttatgt	ccagcctatg	gttttcaann	ctcgccttag	600
acccctgctta	ggggaatttt	tcaagaaagt	gactctcact	gttcnaggcc	aatcaacnaa	660
tgcac						664

<210> 278

<211> 452

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(452)

<223> n = A,T,C or G

<400> 278

tgacatgaca	ttgagggaag	gcacacacac	ctgaattcc	ttaggttcag	aaggggcctt	60
gacacagagt	tgacctctga	taattcatga	aatgcatct	gaagtcctcc	agagtgaggg	120
ctgaactctg	ctgtgctttg	ggggttgoot	caatgtctcc	ctggatctca	ccacaaagct	180
gcaatctctc	ttctccacac	aacattttgc	agtatctgct	gggattttta	ctggaagcat	240
gatacatagc	ccatagtgc	cagagctgaa	cctctgggtg	agagaaagt	ccaaggagcg	300
ggaaaaatgt	ctgaagagat	ctataggtca	ccatgtctgt	caacttcaaa	cttgaacttg	360
gcaactcttg	ctaggttgca	tgagatctt	gggaagagct	acgctctcgg	aggtcacggg	420
atatacaaan	ctgtctgtca	gagtcagggt	ca			452

<210> 279

<211> 274

<212> DNA

<213> Homo sapien

<400> 279

tttttttttt	ttcggaaggg	caaatctact	tctgcnaaag	gggtctgctt	gcacttttgg	60
ccactgugag	agcaacacaa	acaaagttag	gaaggggttt	ttatccctaa	cgggtctatt	120
ccctgggtct	gtgtctgtgc	ccaatctggt	gggtctcagc	tgcccaatcc	acactgaccc	180
acctggtctc	cttttaaaat	tgaatatgaa	taattaggtt	ggaggggggg	ggcgttttgt	240
tcaggctaca	gacgtgtttg	ggatgtcag	gtca			276

<210> 280

<211> 272

<212> DNA

<213> Homo sapien

<400> 280

taactgacct	ggagaacata	ctgtagtctt	tttgcgttca	atggaatact	ctatgagggt	60
gaaaatgaat	gaactagcaa	tggtgtatcc	aacatgaata	aactcccaaa	acatataaat	120
gttgaattga	aagggtgagt	ttcagaagga	tatatattcc	ctctaaatcc	atttatgtaa	180
acatttaaaa	aactaaacta	tttaaggtca	taagtccacc	cagaaacatc	tttaaaacct	240
acatgggatt	gataactaat	gatgtcagggt	ca			272

<210> 281

<211> 431

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(431)

<223> n = A,T,C or G

<400> 281

tttttttttt	ttggccata	gaatgattta	aacatttgaa	aaagtcaaat	gaacatggc	60
aattcttctg	ttctcttgga	taatacaaa	agttaggcaa	attggttcc	caattcttgaa	120
taagatataat	cagaaacaaat	tgatagagct	ctagatccct	tagatgaggt	gtgtctctcc	180
aaatatagaa	tgatctccaa	gtttatttca	tgtatatttt	ctgctgaat	cccatagaca	240
tttgaaattg	aacgcgtctg	tytaaatata	taaatattta	ccaatcagaa	aaatagacag	300
aaatttaagg	acttggctat	gtatcgggta	tgacagacaa	tcactgtara	aaacactgta	360
caactctaca	acatgatgca	acgtggagat	gtcgcgtttw	kkkkywcmw	mxxyxwccg	420
aatacattta	n					431

<210> 282

<211> 98

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<212> DNA
<213> Homo sapien

<400> 282
attgatgattg atgctttgagc ccaggaggttc aagactgcag tgaacctctg accttcaggc      60
tggacacagc agcgactgccc tgtgcccaaa aaaaaaaa      99

<210> 283
<211> 764
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(764)
<223> n = A,T,C or G

<400> 283
tttttttttt ttngcaagca cgtgcacrtt attgatgac actgtagaca ggtgtgtggg      60
cataaacctgc tgtacttagg ggcaggacaa agggggcagg ggcacacagcc ccagcgttcca      120
gggccaacact tgcacagctgg aatgcacagc ttgcaggcta tgggcgggta ctactaaccc      180
cglttttctc gtattctctg taacataata tggtagactg taccagagac gaattccact      240
hacagagtagc atccaaaggtt caggagagag ccccaaatca gggcccaact attcagggcc      300
ttggcgggtgg gggcatalagg ctgkagcccg gtacagtcac aaacactcty actgtccctc      360
cmcttgawtc cunnccctha nctnccctha intgcctgac aacctccctg agtcaacccg      420
natctgcaact acctcccton ccccttctgg actctctcc ttcacataaa nttatccctn      480
acaccccccct cactcttccc ctaccccctn instccctgn nccctctata nttctccctc      540
cncctnctca cncctctctc cncctnctaa ctacncttln nccnccctc cactnctncc      600
agncnctctc tccctctcct cncnccctha tggctgagcc agtctnccct nncnctccta      660
ccnncncttt attaaccttt nccnccctag nctctactln aacnccctn tctactctcc      720
nggcacacccc tncctctnct nctnctctln tnnctctctt cccc      764

<210> 284
<211> 157
<212> DNA
<213> Homo sapien

<400> 284
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<400> 286

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<211> 196

<212> DNA

<213> Homo sapien

<400> 287

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<210> 288

<211> 199

<212> DNA

<213> Homo sapien

<400> 288

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<212> DNA

<213> Homo sapien

<400> 290

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<211> 1851

<212> DNA

<213> Homo sapien

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<210> 292

<211> 1851

<212> DNA

<213> Homo sapien

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<211> 668

<212> DNA

<213> Homo sapien

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<212> DNA

<213> Homo sapien

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<211> 2184

<212> DNA

<213> Homo sapien

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<211> 1855

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

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<400> 297

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<211> 1055

<212> DNA

<213> Homo sapiens

<400> 298

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 gtaacgagctt gtaacgagctt gtaacgagctt gtaacgagctt gtaacgagctt gtaacgagctt 300
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<210> 299
 <211> 323
 <212> PRT
 <213> Homo sapien

<400> 299
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 Leu His Leu Ala Gly Ser Asp Leu Leu Ser Arg Ser Leu Met Ala Gln
 20 25 30
 Glu Tyr Thr Ile Val His Ala Ser Phe Ile Ser Cys Ile Ser Ser Ser
 35 40 45
 Leu Asp Gly Gln Gly Glu Arg Gln Gln Arg Gly His Phe Trp Arg
 50 55 60
 Pro Gln Arg Leu Leu Cys Glu Asp Ala Trp Glu Gln Glu Val Gln Val
 65 70 75 80
 Val Leu Pro Leu Leu Pro Leu Leu Gln Gly Ser Gly Lys Ser Asn Val
 85 90 95
 Val Ala Trp Gly Asp Tyr Asp Asp Ser Ala Phe Met Asp Pro Arg Tyr
 100 105 110
 His Val His Gly Glu Asp Leu Asp Lys Leu His Arg Ala Ala Trp Trp
 115 120 125
 Gly Lys Val Pro Arg Lys Asp Leu Ile Val Met Leu Arg Asp Thr Asp
 130 135 140
 Val Asn Lys Arg Asp Lys Gln Lys Arg Thr Ala Leu His Leu Ala Ser
 145 150 155 160
 Ala Asn Gly Asn Ser Glu Val Val Lys Leu Val Leu Asp Arg Arg Cys
 165 170 175
 Gln Leu Asn Val Leu Asp Asn Lys Lys Arg Thr Ala Leu Thr Lys Ala
 180 185 190
 Val Gln Cys Gln Glu Asp Glu Cys Ala Leu Met Leu Leu Glu His Gly
 195 200 205
 Thr Asp Pro Asn Ile Pro Asp Glu Tyr Gly Asn Thr Thr Leu His Tyr
 210 215 220
 Ala Val Tyr Asn Glu Asp Lys Leu Met Ala Lys Ala Leu Leu Leu Tyr
 225 230 235 240
 Gly Ala Asp Ile Glu Ser Lys Asn Lys His Gly Leu Thr Pro Leu Leu
 245 250 255
 Leu Gly Ile His Glu Gln Lys Gln Glu Val Val Lys Phe Leu Ile Lys
 260 265 270
 Lys Lys Ala Asn Leu Asn Ala Leu Asp Arg Tyr Gly Arg Thr Ala Leu
 275 280 285
 Ile Leu Ala Val Cys Cys Gly Ser Ala Ser Ile Val Ser Pro Leu Leu
 290 295 300
 Gln Gln Asn Val Asp Val Ser Ser Gln Asp Leu Glu Arg Arg Pro Glu
 305 310 315 320
 Ser Met Leu Thr Leu Val Ile Ile Met
 325

<210> 300
 <211> 148
 <212> PRT
 <213> Homo sapien

<220>

<221> VARIANT
 <222> (1)...(146)
 <223> Xaa = Any Amino Acid

<400> 300

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Asp Leu Ile Val Met Leu Arg Asp Thr Asp Val Asn Lys Xaa Asp Lys
35          40          45
Gln Lys Arg Thr Ala Leu His Leu Ala Ser Ala Asn Gly Asn Ser Glu
50          55          60
Val Val Lys Leu Xaa Leu Asp Arg Arg Cys Gln Leu Asn Val Leu Asp
65          70          75          80
Asn Lys Lys Arg Thr Ala Leu Xaa Lys Ala Val Gln Cys Gln Glu Asp
85          90          95
Gln Cys Ala Leu Met Leu Leu Glu His Gly Thr Asp Pro Asn Ile Pro
100          105          110
Asp Glu Tyr Gly Asn Thr Thr Leu His Tyr Ala Xaa Tyr Asn Glu Asp
115          120          125
Lys Leu Met Ala Lys Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu Ser
130          135          140
Lys Asn Lys Val
145
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<210> 301
 <211> 1355
 <212> DNA
 <213> Homo sapien

<400> 301

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aggcaactgg gcaacttctg agccaagacc gacttttcta tgaagcactt cagggaactg 180
atgggcaagt ggtgcggcca ctgcttccac tgcgtcgggg ggaagtggaa gagcaactg 240
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ctgcactgac ggaattcaga agtactaaaa ctctgtctgt acagctgatg tcaactlaat 600
gtcttgcaca acaaaaagag gacagctctg ataaaggcgt tcaactgca ggaagatgaa 660
tctgtgttaa tgttcttgga acatggactt gatcccaata ttccagatga gtatggaaat 720
acctcttgc actacgtcat ctatactgaa gataaatata tggccaaagc actgtcttta 780
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catgagcaaa acagcagcag ctgtgaattt ttaatacaga aaaaaggaga tttaactgca 900
ctggatagat atggaaggac tgccttcata ctgtctgtat gtgtgtgttc agcaagata 960
ctcagcttcc tacttggaca aaatattgat gtactttc aaagatcttc tggacagacg 1020
gccagagagt atgtctgttc tgcctcatat cagttaattt gccagttact tcttgactac 1080
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accagaaata aataaa
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<210> 302
 <211> 2000
 <212> DNA
 <213> Homo sapien

<480> 302

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agcnaagctgg	gcactcttgg	agacacagac	gautctgtta	tgaagagact	caggagcagag	180
atggggcaagt	ggtgacgcga	ctgtcttcctc	tgtctgaggg	ggagtgagca	gagcnaagctg	240
ggcgctcttg	gagacacaga	cgactctgct	atgaagacac	tcagggaaca	gatggggcag	300
tgggtgtgtgc	aactgtttccg	ctgtctgagg	ggagagcgga	agagcaaggt	ggcgctcttg	360
ggagactaac	atgacagtg	cttcatgggg	cnaaggttauc	acgttccgtgg	agagactctg	420
gacnaagctcc	aaagagctgc	ctggctgggt	aaagtcccca	gaagaggtct	actatgtctg	480
ctcnaaggaca	ctgaactgga	caagaaaggac	aagcnaaaga	ggactgctct	actatctggc	540
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gtctttgacc	acaaaaagag	ganagctctg	ataaagctcg	tacaatgcca	ggaagatgaa	660
tgtgtgcttaa	tgtttgttgg	actatggact	gatccasata	tcccgatgat	gtatggaaat	720
acactcttgc	acttaagctat	ctataatgaa	gataaattaa	tggcnaaaagc	actgctctta	780
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cattgagana	aaagcgcaagt	cgtagaaatt	ttaataagaa	aaagaagcaa	tttaaatgca	900
ctgtgtatgat	atggaaggac	tgtctctata	cttgcctgat	gtgtgtgata	agcaagataa	960
gtcagctctc	tacttgagca	aaataktgat	gtatctcttc	aaatctctat	tggcagagac	1020
cnaagaaagt	atgtctgttct	tagtctctct	catgtataatt	gcaagttaact	ttctgactac	1080
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angctgaaaa	gtataatctgt	gggtactata	gaaaactctga	ctaatgggtgt	actctgtctg	1320
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tcaagtgaaag	atctcaaaag	gcttgagggc	agtgaaaagt	gtccagcaag	gttagaaaat	1560
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caaaatgata	ctgaagagca	attttgtgaa	gaacagaata	ctggataatt	aaagatagag	1800
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cttatgttgtc	agaaagaaaa	agacatcttg	catgaataa	gtacgtctgc	ggaagaaatt	1920
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aaaaaaataa	aaaaaaataa					2000

<210> 303

<211> 2040

<212> DNA

<213> Homo sapien

<480> 303

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agcnaagctgg	gcactcttgg	agacacagac	gactctgtta	tgaagagact	caggagcagag	180
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ggcgctcttg	gagacacaga	cgactctgct	atgaagacac	tcagggaaca	gatggggcag	300
tgggtgtgtgc	aactgtttccg	ctgtctgagg	ggagagcgga	agagcaaggt	ggcgctcttg	360
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gacnaagctcc	aaagagctgc	ctgttgggtt	aaagtcccca	gaagaggtct	actatgtctg	480
ctcnaaggaca	ctgaactgga	caagaaaggac	aaagcnaaaga	ggactgctct	actatctggc	540
tctgtccaatg	ggatctcaga	agtagtaaaa	ctctgcgtcg	acagacgatg	tcaacttaat	600
gtctttgacc	acaaaaagag	ganagctctg	ataaagctcg	tacaatgcca	ggaagatgaa	660
tgtgtgcttaa	tgtttgttgg	actatggact	gatccasata	tcccgatgat	gtatggaaat	720
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tatgtgtctg	atactgaatc	aaaaaacacg	cattgctcttc	caactactgt	acttgggtta	840
cattgagana	aaagcgcaagt	cgtagaaatt	ttaataagaa	aaagaagcaa	tttaaatgca	900
ctgtgtatgat	atggaaggac	tgtctctata	cttgcctgat	gtgtgtgata	agcaagataa	960

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gocagagagt atgctgtttc tagtcatcat catgtaattt gacgttact tctggaatcc 1680
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caagaaacag aaataaataa ggatgggttg agagagctag aaaaatttat ggtatctgaa 1620
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agcgaatttt gtgaagaacc gaanaactgga atattaaag atgacttct gattcatgaa 1860
gaanaagcaga tagaagtggc tgaaaaaagc aattctgagc ttctctrag ttgtagaaga 1920
gaanaagaca ttttgcagta aaataatag ktgggggag aattgcaat gctaagactg 1980
gagctagacc caatgacaca kcgagggcag ctaaaaaaa aaaaaaaa 2040

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<210> 304

<211> 384

<212> PRT

<213> Homo sapien

<60> 304

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Pro Phe Gly Leu Arg Ser Lys Met Gly Lys Trp Cys Cys Arg Cys Phe
20 25 30
Pro Cys Cys Arg Glu Ser Gly Lys Ser Asn Val Gly Thr Ser Gly Asp
35 40 45
His Asp Asp Ser Ala Met Lys Thr Leu Arg Ser Lys Met Gly Lys Trp
50 55 60
Cys Arg His Cys Phe Pro Cys Cys Arg Gly Ser Gly Lys Ser Asn Val
65 70 75
Gly Ala Ser Gly Asp His Asp Asp Ser Ala Met Lys Thr Leu Arg Asn
85 90 95
Lys Met Gly Lys Trp Cys Cys His Cys Phe Pro Cys Cys Arg Gly Ser
100 105 110
Gly Lys Ser Lys Val Gly Ala Trp Gly Asp Tyr Asp Asp Ser Ala Phe
115 120 125
Met Glu Pro Arg Tyr His Val Arg Gly Glu Asp Leu Asp Lys Leu His
130 135 140
Arg Ala Ala Trp Trp Gly Lys Val Pro Arg Lys Asp Leu Ile Val Met
145 150 155
Leu Arg Asp Thr Asp Val Asn Lys Lys Asp Lys Glu Lys Arg Thr Ala
160 165 170
Leu His Leu Ala Ser Ala Asn Gly Asn Ser Glu Val Val Lys Leu Leu
180 185 190
Leu Asp Arg Arg Cys Glu Leu Asn Val Leu Asp Asn Lys Lys Arg Thr
195 200 205
Ala Leu Ile Lys Ala Val Glu Cys Glu Glu Asp Glu Cys Ala Leu Met
210 215 220
Leu Leu Glu His Gly Thr Asp Pro Asn Ile Pro Asp Glu Tyr Gly Asn
225 230 235
Thr Thr Leu His Tyr Ala Ile Tyr Asn Glu Asp Lys Leu Met Ala Lys
240 245 250
Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu Ser Lys Asn Lys His Gly
255

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	260		265		270
Leu Thr Pro Leu Leu Leu Gly Val His Glu Gln Lys Gln Gln Val Val	275		280		285
Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu Asn Ala Leu Asp Arg Tyr	290		295		300
Gly Arg Thr Ala Leu Ile Leu Ala Val Cys Cys Gly Ser Ala Ser Ile	305		310		315
Val Ser Leu Leu Leu Gln Gln Asn Ile Asp Val Ser Ser Gln Asp Leu	320		325		330
Ser Gly Gln Thr Ala Arg Glu Tyr Ala Val Ser Ser His His His Val	335		340		345
Ile Cys Gln Leu Leu Ser Asp Tyr Lys Glu Lys Gln Met Leu Lys Ile	350		355		360
Ser Ser Glu Asn Ser Asn Pro Glu Asn Val Ser Arg Thr Arg Asn Lys	365		370		375

<210> 305

<211> 556

<212> PRT

<213> Homo sapien

<400> 305

Met Val Val Glu Val Asp Ser Met Pro His Ala Ser Ser Val Lys Lys	1	5	10	15
Pro Phe Gly Leu Arg Ser Lys Met Gly Lys Trp Cys Cys Arg Cys Phe	20	25	30	35
Pro Cys Cys Arg Gln Ser Gly Lys Ser Asn Val Gly Thr Ser Gly Asp	40	45	50	55
His Asp Asp Ser Ala Met Lys Thr Leu Arg Ser Lys Met Gly Lys Trp	60	65	70	75
Cys Arg His Cys Phe Pro Cys Cys Arg Gly Ser Gly Lys Ser Asn Val	80	85	90	95
Gly Ala Ser Gly Asp His Asp Asp Ser Ala Met Lys Thr Leu Arg Asn	100	105	110	115
Lys Met Gly Lys Trp Cys Cys His Cys Phe Pro Cys Cys Arg Gly Ser	120	125	130	135
Gly Lys Ser Lys Val Gly Ala Trp Gly Asp Tyr Asp Asp Ser Ala Phe	140	145	150	155
Met Gln Pro Arg Tyr His Val Arg Gly Glu Asp Leu Asp Lys Leu His	160	165	170	175
Arg Ala Ala Trp Trp Gly Lys Val Pro Arg Lys Asp Leu Ile Val Met	180	185	190	195
Leu Arg Asp Thr Asp Val Asn Lys Lys Asp Lys Gln Lys Arg Thr Ala	200	205	210	215
Leu His Leu Ala Ser Ala Asn Gly Asn Ser Glu Val Val Lys Leu Leu	220	225	230	235
Leu Asp Arg Arg Cys Gln Leu Asn Val Leu Asp Asn Lys Lys Arg Thr	240	245	250	255
Ala Leu Ile Lys Ala Val Gln Cys Gln Glu Asp Gln Cys Ala Leu Met	260	265	270	275
Leu Leu Glu His Gly Thr Asp Pro Asn Ile Pro Asp Glu Tyr Gly Asn	280	285	290	295
Thr Thr Leu His Tyr Ala Ile Tyr Asn Glu Asp Lys Leu Met Ala Lys	300	305	310	315
Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu Ser Lys Asn Lys His Gly	320	325	330	335
Leu Thr Pro Leu Leu Leu Gly Val His Glu Gln Lys Gln Gln Val Val	340	345	350	355

Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu Asn Ala Leu Asp Arg Tyr
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 Gly Arg Thr Ala Leu Ile Leu Ala Val Cys Cys Gly Ser Ala Ser Ile
 305 310 315 320
 Val Ser Leu Leu Leu Glu Gln Asn Ile Asp Val Ser Ser Gln Asp Leu
 325 330 335
 Ser Gly Gln Thr Ala Arg Glu Tyr Ala Val Ser Ser His His His Val
 340 345 350
 Ile Cys Gln Leu Leu Ser Asp Tyr Lys Glu Lys Gln Met Leu Lys Ile
 355 360 365
 Ser Ser Glu Asn Ser Asn Pro Glu Gln Asp Leu Lys Leu Thr Ser Glu
 370 375 380
 Glu Glu Ser Gln Arg Phe Lys Gly Ser Gln Asn Ser Gln Pro Glu Lys
 385 390 395 400
 Met Ser Gln Glu Pro Glu Ile Asn Lys Asp Gly Asp Arg Glu Val Glu
 405 410 415
 Glu Glu Met Lys Lys His Glu Ser Asn Asn Val Gly Leu Leu Glu Asn
 420 425 430
 Leu Thr Asn Gly Val Thr Ala Gly Asn Gly Asp Asn Gly Leu Ile Pro
 435 440 445
 Gln Arg Lys Ser Arg Thr Pro Glu Asn Gln Gln Phe Pro Asp Asn Glu
 450 455 460
 Ser Glu Glu Tyr His Arg Ile Cys Gln Leu Val Ser Asp Tyr Lys Glu
 465 470 475 480
 Lys Gln Met Pro Lys Tyr Ser Ser Glu Asn Ser Asn Pro Glu Gln Asp
 485 490 495
 Leu Lys Leu Thr Ser Glu Glu Glu Ser Gln Arg Leu Glu Gly Ser Glu
 500 505 510
 Asn Gly Gln Pro Glu Leu Glu Asn Phe Met Ala Ile Glu Glu Met Lys
 515 520 525
 Lys His Gly Ser Thr His Val Gly Phe Pro Glu Asn Leu Thr Asn Gly
 530 535 540
 Ala Thr Ala Gly Asn Gly Asp Asp Gly Leu Ile Pro Pro Arg Lys Ser
 545 550 555
 Arg Thr Pro Glu Ser Gln Gln Phe Pro Asp Thr Glu Asn Glu Glu Tyr
 560 565 570 575
 His Ser Asp Glu Gln Asn Asp Thr Gln Lys Gln Phe Cys Glu Glu Gln
 580 585 590
 Asn Thr Gly Ile Leu His Asp Glu Ile Leu Ile His Glu Glu Lys Gln
 595 600 605
 Ile Glu Val Val Gln Lys Met Asn Ser Glu Leu Ser Leu Ser Cys Lys
 610 615 620
 Lys Glu Lys Asp Ile Leu His Glu Asn Ser Thr Leu Arg Gln Glu Ile
 625 630 635 640
 Ala Met Leu Arg Leu Glu Leu Asp Thr Met Lys His Gln Ser Glu Leu
 645 650 655

<214> 306

<214> 671

<212> PRT

<213> Homo sapien

<400> 306

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 Pro Phe Gly Leu Arg Ser Lys Met Gly Lys Trp Cys Cys Arg Cys Phe
 20 25 30
 Pro Cys Cys Arg Glu Ser Gly Lys Ser Asn Val Gly Thr Ser Gly Asp

35	40	45
His Asp Asp Ser Ala Met Lys Thr Leu Arg Ser Lys Met Gly Lys Trp		
50	55	60
Cys Arg His Cys Phe Pro Cys Cys Arg Gly Ser Gly Lys Ser Asn Val		
65	70	75
Gly Ala Ser Gly Asp His Asp Asp Ser Ala Met Lys Thr Leu Arg Asn		
80	85	90
Lys Met Gly Lys Trp Cys Cys His Cys Phe Pro Cys Cys Arg Gly Ser		
100	105	110
Gly Lys Ser Lys Val Gly Ala Trp Gly Asp Tyr Asp Asp Ser Ala Phe		
115	120	125
Met Glu Pro Arg Tyr His Val Arg Gly Glu Asp Leu Asp Lys Leu His		
130	135	140
Arg Ala Ala Trp Trp Gly Lys Val Pro Arg Lys Asp Leu Ile Val Met		
145	150	155
Leu Arg Asp Thr Asp Val Asn Lys Lys Asp Lys Gln Lys Arg Thr Ala		
160	165	170
Leu His Leu Ala Ser Ala Asn Gly Asn Ser Glu Val Val Lys Leu Leu		
180	185	190
Leu Asp Arg Arg Cys Gln Leu Asn Val Leu Asp Asn Lys Lys Arg Thr		
195	200	205
Ala Leu Ile Lys Ala Val Gln Cys Gln Glu Asp Glu Cys Ala Leu Met		
210	215	220
Leu Leu Glu His Gly Thr Asp Pro Asn Ile Pro Asp Glu Tyr Gly Asn		
225	230	235
Thr Thr Leu His Tyr Ala Ile Tyr Asn Glu Asp Lys Leu Met Ala Lys		
240	245	250
Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu Ser Lys Asn Lys His Gly		
255	260	265
Leu Thr Pro Leu Leu Leu Gly Val His Glu Gln Lys Gln Gln Val Val		
270	275	280
Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu Asn Ala Leu Asp Arg Tyr		
285	290	295
Gly Arg Thr Ala Leu Ile Leu Ala Val Cys Cys Gly Ser Ala Ser Ile		
300	305	310
Val Ser Leu Leu Leu Gln Gln Asn Ile Asp Val Ser Ser Gln Asp Leu		
315	320	325
Ser Gly Gln Thr Ala Arg Glu Tyr Ala Val Ser Ser His His Val		
330	335	340
Ile Cys Glu Leu Leu Ser Asp Tyr Lys Glu Lys Gln Met Leu Lys Ile		
345	350	355
Ser Ser Glu Asn Ser Asn Pro Glu Gln Asp Leu Lys Leu Thr Ser Glu		
360	365	370
Glu Glu Ser Gln Arg Phe Lys Gly Ser Glu Asn Ser Gln Pro Glu Lys		
375	380	385
Met Ser Glu Glu Pro Glu Ile Asn Lys Asp Gly Asp Arg Glu Val Glu		
390	395	400
Glu Glu Met Lys Lys His Glu Ser Asn Asu Val Gly Leu Leu Glu Asn		
405	410	415
Leu Thr Asn Gly Val Thr Ala Gly Asn Gly Asp Asn Gly Leu Ile Pro		
420	425	430
Gln Arg Lys Ser Arg Thr Pro Gln Asn Gln Gln Phe Pro Asp Asn Glu		
435	440	445
Ser Glu Glu Tyr His Arg Ile Cys Glu Leu Val Ser Asp Tyr Lys Glu		
450	455	460
Lys Gln Met Pro Lys Tyr Ser Ser Glu Asn Ser Asn Pro Gln Gln Asp		
465	470	475
Leu Lys Leu Thr Ser Glu Glu Glu Ser Gln Arg Leu Glu Gly Ser Glu		
480	485	490
	495	

500
 Asn Gly Gln Pro Gln Lys Arg Ser Gln Glu Pro Gln Ile Asn Lys Asp
 515
 Gly Asp Arg Gln Leu Glu Asn Phe Met Ala Ile Glu Glu Met Lys Lys
 530
 His Gly Ser Thr His Val Gly Phe Pro Glu Asn Leu Thr Asn Gly Ala
 545
 Thr Ala Gly Asn Gly Asp Asp Gly Leu Ile Pro Pro Arg Lys Ser Arg
 560
 Thr Pro Glu Ser Gln Gln Phe Pro Asp Thr Glu Asn Glu Glu Tyr His
 580
 Ser Asp Glu Gln Asn Asp Thr Gln Lys Gln Phe Cys Glu Glu Gln Asn
 595
 Thr Gly Ile Leu His Asp Glu Ile Leu Ile His Glu Gln Lys Gln Ile
 610
 Glu Val Val Glu Lys Met Asn Ser Glu Leu Ser Leu Ser Cys Lys Lys
 625
 Glu Lys Asp Ile Leu His Glu Asn Ser Thr Leu Arg Glu Gln Ile Ala
 640
 Met Leu Arg Leu Glu Leu Asp Thr Met Lys His Gln Ser Gln Leu
 660

<210> 307

<211> 800

<212> DNA

<213> Homo sapien

<400> 307

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<210> 309

<211> 102

<212> PKT

<213> Homo sapien

<220>

<221> VARIANT

<222> (1)...(102)

<223> xaa = Any Amino Acid

<400> 308

Met Gly Xaa Phe Val Phe Gln Met Gly Asn Thr Gln Ala Ser Thr Gly
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Thr Leu Glu Lys Glu Val Ala His Phe Phe Cys Thr Met Ala Trp Pro
 35 40 45
 Gln His Ser Leu Ser Asp Gly Glu Lys Trp Pro Pro Gln Gly Ser Thr
 50 55 60
 Asp Tyr Asn Thr Ile Leu Gln Leu Asp Leu Phe Cys Lys Arg Glu Gly
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 Lys Trp Ser Glu Ile Pro Tyr Val Gln Ala Phe Phe Ser Leu Lys Glu
 85 90 95
 Asn Thr Leu Cys Lys Ala
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<210> 309
 <211> 3
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Made in the lab

<400> 309
 Leu Met Ala Glu Glu Tyr Thr Ile Val
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<210> 310
 <211> 9
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Made in the lab

<400> 310
 Lys Leu Met Ala Lys Ala Leu Leu Leu
 1 5

<210> 311
 <211> 9
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Made in the lab

<400> 311
 Gly Leu Thr Pro Leu Leu Leu Gly Ile
 1 5

<210> 312
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Made in the lab

<400> 312
 Lys Leu Val Leu Asp Arg Arg Cys Gln Leu
 1 5 10

<210> 313
<211> 1852
<212> DNA
<213> Homo sapiens

<400> 313

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<210> 314
<211> 878
<212> DNA
<213> Homo sapiens

<400> 314

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<210> 315

<211> 392

<212> PRI

<213> Homo sapiens

<400> 315

Met His Leu Ser Phe Pro Ala Phe Leu Pro Pro Trp Met Asp Arg Gly
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Ser Gly Lys Ser Asn Val Gly Thr Ser Gly Asp His Asn Asp Ser Ser
 20 25 30

Val Lys Thr Leu Gly Ser Lys Arg Cys Lys Trp Cys Cys His Cys Phe
 35 40 45

Pro Cys Cys Arg Gly Ser Gly Lys Ser Asn Val Val His Trp Gly Asp
 50 55 60

Tyr Asp Asp Ser Ala Phe Met Asp Pro Arg Tyr His Val His Gly Glu
 65 70 75 80

Asp Leu Asp Lys Leu His Arg Ala His Trp Trp Gly Lys Val Pro Arg
 85 90 95

Lys Asp Leu Ile Val Met Leu Arg Asp Thr Asp Val Asn Lys Arg Asp
 100 105 110

Lys Gln Lys Arg Thr Ala Leu His Leu Ala Ser Ala Asn Gly Asn Ser
 115 120 125

Glu Val Val Lys Leu Val Leu Asp Arg Arg Cys Gln Leu Asn Val Leu
 130 135 140

Asp Asn Lys Lys Arg Thr Ala Leu Thr Lys Ala Val Gln Cys Gln Glu
 145 150 155 160

Asp Glu Cys Ala Leu Met Leu Leu Glu His Gly Thr Asp Pro Asn His
 165 170 175

Pro Asp Glu Tyr Gly Asn Thr Thr Leu His Tyr Ala Val Tyr Asn Glu
 180 185 190

Asp Lys Leu Met Ala Lys Ala Leu Leu Leu Tyr Gly Ala Asp Ile Gln
 195 200 205

Ser Lys Asn Lys His Gly Leu Thr Pro Leu Leu Leu Gly Ile His Glu
 210 215 220

Gln Lys Gln Gln Val Val Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu
 225 230 235 240

Asn Ala Leu Asp Arg Tyr Gly Arg Thr Ala Leu Ile Leu Ala Val Cys
 245 250 255

Cys Gly Ser Ala Ser Ile Val Ser Pro Leu Leu Glu Gln Asn Val Asp

260 265 270

Val Ser Ser Gln Asp Leu Glu Arg Arg Pro Glu Ser Met Leu Phe Leu
275 280 285

Val Ile Ile Met
290

<210> 316
<211> 584
<212> DNA
<213> Homo sapiens

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tttgtgggtc aaatttgtcc ctttggccta ggaatgaatt caaaggtgag cctgttgagt 480
cctgagtggt tcccatctga aagacaaac tgcctaatgt ttgtgttgt ttgtttctc 540
ccctgcgcc aqaattatca aactctgtg ccaacacta aaaa 584

<210> 317
<211> 829
<212> DNA
<213> Homo sapiens

<400> 317
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<210> 318
<211> 30
<212> PRT
<213> Homo sapiens

<400> 318
Thr Ala Ala Ser Asp Asn Phe Gln Leu Ser Gln Gly Gly Gln Phe
1 5 10 15

Ala Ile Pro Ile Gly Gln Ala Met Ala Ile Ala Gly Gln Ile
20 25 30

<210> 319
 <211> 41
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> PCR primer

 <400> 319
 ggctctctgc aatgggaact cagaagtagt aaactctcg c 41

 <210> 320
 <211> 41
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> PCR primer

 <400> 320
 gcaggagttt tactacttct gacttccat tggcagagc c 41

 <210> 321
 <211> 60
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> PCR primer

 <400> 321
 ggggaattcc agtgggtccc gagcgagcgc ctataggtg ttgaggttga 50
 ttcatgcccg 50

 <210> 322
 <211> 42
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> PCR primer

 <400> 322
 ccgaattct tatttatttc tggttcttga gacattttct gg 42

 <210> 323
 <211> 1590
 <212> DNA
 <213> Homo sapiens

<400> 323
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 gaatatgtct caagaaacag aataaaataa 1590

<210> 324
 <211> 526
 <212> PR2
 <213> Homo sapiens

<400> 324
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 20 25 30
 Thr Ala Gly Gin Ile Lys Leu Pro Thr Val His Ile Gly Pro Thr Ala
 35 40 45
 Phe Leu Gly Leu Gly Val Val Asp Asn Asn Gly Asn Gly Ala Arg Val
 50 55 60
 Gin Arg Val Val Gly Ser Ala Pro Ala His Ser Leu Gly Ile Ser Thr
 65 70 75 80
 Gly Asp Val Ile Thr Ala Val Asp Gly Ala Pro Ile Asn Ser Ala Thr
 85 90 95
 Ala Met Ala Asp Ala Leu Asn Gly His His Pro Gly Asp Val Ile Ser
 100 105 110

Val Thr Trp Gln Thr Lys Ser Gly Gly Thr Arg Thr Gly Asn Val Thr
133 120 125

Leu Ala Glu Gly Pro Pro Ala Glu Phe Pro Leu Val Pro Arg Gly Ser
139 135 140

Pro Met Val Val Glu Val Asp Ser Met Pro Ala Ala Ser Ser Val Lys
145 150 155 160

Lys Pro Phe Gly Leu Arg Ser Lys Met Gly Lys Trp Cys Cys Arg Cys
165 170 175

Phe Pro Cys Cys Arg Glu Ser Gly Lys Ser Asn Val Gly Thr Ser Gly
180 185 190

Asp His Asp Asp Ser Ala Met Lys Thr Leu Arg Ser Lys Met Gly Lys
195 200 205

Trp Cys Arg His Cys Phe Pro Cys Cys Arg Gly Ser Gly Lys Ser Asn
210 215 220

Val Gly Ala Ser Gly Asp His Asp Asp Ser Ala Met Lys Thr Leu Arg
225 230 235 240

Asn Lys Met Gly Lys Trp Cys Cys His Cys Phe Pro Cys Cys Arg Gly
245 250 255

Ser Gly Lys Ser Lys Val Gly Ala Trp Gly Asp Tyr Asp Asp Ser Ala
260 265 270

Phe Met Glu Pro Arg Tyr His Val Arg Gly Glu Asp Leu Asp Lys Leu
275 280 285

His Arg Ala Ala Trp Trp Gly Lys Val Pro Arg Lys Asp Leu Ala Val
290 295 300

Met Leu Arg Asp Thr Asp Val Asn Lys Lys Asp Lys Gln Lys Arg Thr
305 310 315 320

Ala Leu Ala Leu Ala Ser Ala Asn Gly Asn Ser Glu Val Val Lys Leu
325 330 335

Leu Leu Asp Arg Arg Cys Gln Leu Asn Val Leu Asp Asn Lys Lys Arg
340 345 350

Thr Ala Leu Ile Lys Ala Val Gln Cys Gln Glu Asp Glu Cys Ala Leu
355 360 365

Met Leu Leu Glu His Gly Thr Asp Pro Asn Ile Pro Asp Gln Tyr Gly
370 375 380

Asn Thr Thr Leu His Tyr Ala Ile Tyr Asn Ala Asp Lys Leu Met Ala
385 390 395 400

Lys Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu Ser Lys Asn Lys His
405 410 415

Gly Leu Thr Pro Leu Leu Leu Gly Val His Glu Gln Lys Gln Gln Val

420	425	430
Val Lys Phe Leu Lys Lys Lys Ala Asn Leu Asn Ala Leu Asp Arg		
435	440	445
Tyr Gly Arg Thr Ala Leu Ile Leu Ala Val Cys Cys Gly Ser Ala Ser		
450	455	460
His Val Ser Leu Leu Leu Glu Glu Asn Ile Asp Val Ser Ser Glu Asp		
465	470	475
Leu Ser Gly Glu Thr Ala Arg Glu Tyr Ala Val Ser Ser His His His		
485	490	495
Val Ile Cys Glu Leu Leu Ser Asp Tyr Lys Glu Lys Glu Met Leu Lys		
500	505	510
Ile Ser Ser Glu Asn Ser Asn Pro Glu Asn Val Ser Arg Thr Arg Asn		
515	520	525

Lys

<210> 325

<211> 1155

<212> DMS

<213> Homo sapiens

<400> 325

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<210> 326

<211> 366

<212> PRT

<213> Homo sapiens

<400> 326

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			5						10					15	

Pro Phe Asp Leu Arg Ser Lys Met Gly Lys Trp Cys His His Arg Phe
 20 25 30
 Pro Cys Cys Arg Gly Ser Gly Lys Ser Asn Met Gly Thr Ser Gly Asp
 35 40 45
 His Asp Asp Ser Phe Met Lys Met Leu Arg Ser Lys Met Gly Lys Cys
 50 55 60
 Cys Arg His Cys Phe Pro Cys Cys Arg Gly Ser Gly Thr Ser Asn Val
 65 70 75 80
 Gly Thr Ser Gly Asp His Glu Asn Ser Phe Met Lys Met Leu Arg Ser
 85 90 95
 Lys Met Gly Lys Trp Cys Cys His Cys Phe Pro Cys Cys Arg Gly Ser
 100 105 110
 Gly Lys Ser Asn Val Gly Ala Trp Gly Asp Tyr Asp His Ser Ala Phe
 115 120 125
 Met Glu Pro Arg Tyr His Ile Arg Arg Glu Asp Leu Asp Lys Leu His
 130 135 140
 Arg Ala Ala Trp Trp Gly Lys Val Pro Arg Lys Asp Leu Ile Val Met
 145 150 155 160
 Leu Arg Asp Thr Asp Met Asn Lys Arg Asp Lys Glu Lys Arg Thr Ala
 165 170 175
 Leu His Leu Ala Ser Ala Asn Gly Asn Ser Glu Val Val Glu Leu Leu
 180 185 190
 Leu Asp Arg Arg Cys Glu Leu Asn Val Leu Asp Asn Lys Lys Arg Thr
 195 200 205
 Ala Leu Ile Lys Ala Ile Glu Cys Glu Glu Asp Glu Cys Val Leu Met
 210 215 220
 Leu Leu Glu His Gly Ala Asp Arg Asn Ile Pro Asp Glu Tyr Gly Asn
 225 230 235 240
 Thr Ala Leu His Tyr Ala Ile Tyr Asn Glu Asp Lys Leu Met Ala Lys
 245 250 255
 Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu Ser Lys Asn Lys Val Gly
 260 265 270
 Leu Thr Pro Leu Leu Leu Gly Val His Glu Glu Lys Glu Glu Val Val
 275 280 285
 Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu Asn Val Leu Asp Arg Tyr
 290 295 300
 Gly Arg Thr Ala Leu Ile Leu Ala Val Cys Cys Gly Ser Ala Ser Ile
 305 310 315 320

Val Asn Leu Leu Leu Glu Glu Asn Val Asp Val Ser Ser Glu Asp Leu
325 336 335

Ser Gly Glu Thr Ala Arg Glu Tyr Ala Val Ser Ser His His His Val
340 345 350

Ile Cys Glu Leu Leu Ser Asp Tyr Iys Glu Lys His Met Leu Lys Ile
365 369 365

Ser Ser Glu Asn Ser Asn Pro Glu Asn Val Ser Arg Thr Arg Asn Lys
370 375 380

<210> 327

<211> 634

<212> DNA

<213> Homo sapiens

<400> 327

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<211> 1155

<212> DNA

<213> Homo sapiens

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<210> 329

<211> 1155

<212> DNA

<213> Homo sapiens

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<210> 330

<211> 1155

<212> DNA

<213> Homo sapiens

<400> 330

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<210> 371

<211> 210

<212> FNT

<213> Homo sapiens

106

<400> 331
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 20 25 30
 Arg Thr Ala Leu Thr Lys Ala Val Gln Cys Gln Glu Asp Glu Cys Ala
 35 40 45
 Leu Met Leu Leu Glu His Gly Thr Asp Pro Asn Ile Pro Asp Glu Tyr
 50 55 60
 Gly Asn Thr Ala Leu His Tyr Ala Ile Tyr Asn Glu Asp Lys Leu Met
 65 70 75 80
 Ala Lys Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu Ser Lys Asn Lys
 85 90 95
 His Gly Leu Thr Pro Leu Leu Leu Gly Val His Glu Glu Lys Gln Gln
 100 105 110
 Val Val Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu Asn Ala Leu Asp
 115 120 125
 Arg Tyr Gly Arg Thr Ala Leu Ile Leu Ala Val Cys Cys Gly Ser Ala
 130 135 140
 Ser Ile Val Ser Leu Leu Leu Glu Gln Asn Ile Asp Val Ser Ser Gln
 145 150 155 160
 Asp Leu Ser Gly Gln Thr Ala Arg Glu Tyr Ala Val Ser Ser Arg His
 165 170 175
 Asn Val Ile Cys Gln Leu Leu Ser Asp Tyr Lys Glu Lys Gln Ile Leu
 180 185 190
 Lys Val Ser Ser Glu Asn Ser Asn Pro Gly Asn Val Ser Arg Thr Arg
 195 200 205
 Asn Lys
 210

<210> 332
 <211> 384
 <212> RRT
 <213> Homo sapiens

<400> 333
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 Pro Phe Asp Leu Arg Ser Lys Met Gly Lys Trp Cys His His Arg Phe
 20 25 30
 Pro Cys Cys Arg Gly Ser Gly Lys Ser Asn Met Gly Thr Ser Gly Asp
 35 40 45

His Asp Asp Ser Phe Met Lys Met Leu Arg Ser Lys Met Gly Lys Cys
 55 55 60
 Cys Arg His Cys Phe Pro Cys Cys Arg Gly Ser Gly Thr Ser Asn Val
 65 70 75 80
 Gly Thr Ser Gly Asp His Glu Asn Ser Phe Met Lys Met Leu Arg Ser
 85 90 95
 Lys Met Gly Lys Thr Cys Cys His Cys Phe Pro Cys Cys Arg Gly Ser
 100 105 110
 Gly Lys Ser Asn Val Gly Ala Trp Gly Asp Tyr Asp His Ser Ala Phe
 115 120 125
 Met Glu Pro Arg Tyr His Ile Arg Arg Glu Asp Leu Asp Lys Leu His
 130 135 140
 Arg Ala Ala Trp Trp Gly Lys Val Pro Arg Lys Asp Leu Ile Val Met
 145 150 155 160
 Leu Arg Asp Thr Asp Met Asn Lys Arg Asp Lys Glu Lys Arg Thr Ala
 165 170 175
 Leu His Leu Ala Ser Ala Asn Gly Asn Ser Glu Val Val Gln Leu Leu
 180 185 190
 Leu Asp Arg Arg Cys Gln Leu Asn Val Leu Asp Asn Lys Lys Arg Thr
 195 200 205
 Ala Leu Ile Lys Ala Ile Gln Cys Gln Glu Asp Glu Cys Val Leu Met
 210 215 220
 Leu Leu Glu His Gly Ala Asp Arg Asn Ile Pro Asp Glu Tyr Gly Asn
 225 230 235 240
 Thr Ala Leu His Tyr Ala Ile Tyr Asn Glu Asp Lys Leu Met Ala Lys
 245 250 255
 Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu Ser Lys Asn Lys Cys Gly
 260 265 270
 Leu Thr Pro Leu Leu Leu Gly Val His Gln Gln Lys Gln Glu Val Val
 275 280 285
 Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu Asn Val Leu Asp Arg Tyr
 290 295 300
 Gly Arg Thr Ala Leu Ile Leu Ala Val Cys Cys Gly Ser Ala Ser Ile
 305 310 315 320
 Val Asn Leu Leu Leu Glu Gln Asn Val Asp Val Ser Ser Gln Asp Leu
 325 330 335
 Ser Gly Glu Thr Ala Arg Glu Tyr Ala Val Ser Ser His His Val
 340 345 350

Ile Cys Glu Leu Leu Ser Asp Tyr Lys Glu Lys Gln Met Leu Lys Ile
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Ser Ser Glu Asn Ser Asn Pro Glu Asn Val Ser Arg Thr Arg Asn Lys
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<210> 333

<211> 384

<212> EET

<213> Homo sapiens

<400> 333

Met Val Ala Glu Val Cys Ser Met Pro Ala Ala Ser Ala Val Lys Lys
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Pro Phe Asp Leu Arg Ser Lys Met Gly Lys Trp Cys His His Arg Phe
20 25 30

Pro Cys Cys Arg Gly Ser Gly Lys Ser Asn Met Gly Thr Ser Gly Asp
35 40 45

His Asp Asp Ser Phe Met Lys Thr Leu Arg Ser Lys Met Gly Lys Cys
50 55 60

Cys His His Cys Phe Pro Cys Cys Arg Gly Ser Gly Thr Ser Asn Val
65 70 75 80

Gly Thr Ser Gly Asp His Asp Asn Ser Phe Met Lys Thr Leu Arg Ser
85 90 95

Lys Met Gly Lys Trp Cys Cys His Cys Phe Pro Cys Cys Arg Gly Ser
100 105 110

Gly Lys Ser Asn Val Gly Thr Trp Gly Asp Tyr Asp Asp Ser Ala Phe
115 120 125

Met Glu Pro Arg Tyr His Val Arg Arg Glu Asp Leu Asp Lys Leu His
130 135 140

Arg Ala Ala Trp Trp Gly Lys Val Pro Arg Lys Asp Leu Ile Val Met
145 150 155 160

Leu Arg Asp Thr Asp Met Asn Lys Arg Asp Lys Glu Lys Arg Thr Ala
165 170 175

Leu His Leu Ala Ser Ala Asn Gly Asn Ser Glu Val Val Gln Leu Leu
180 185 190

Leu Asp Arg Arg Cys Gln Leu Asn Val Leu Asp Asn Lys Lys Arg Thr
195 200 205

Ala Leu Ile Lys Ala Val Gln Cys Gln Glu Asp Glu Cys Val Leu Met
210 215 220

Leu Leu Glu His Gly Ala Asp Gly Asn Ile Glu Asp Glu Tyr Gly Asn
225 230 235 240

Thr Ala Leu His Tyr Ala Phe Tyr Asn Glu Asp Lys Leu Met Ala Lys
 245 250 255
 Ala Leu Leu Leu Tyr Gly Ala Asp Phe Glu Ser Lys Asn Lys Cys Gly
 260 265 270
 Leu Thr Pro Leu Leu Leu Gly Val His Glu Glu Lys Glu Glu Val Val
 275 280 285
 Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu Asn Ala Leu Asp Arg Tyr
 290 295 300
 Gly Arg Thr Ala Leu Ile Leu Ala Val Cys Cys Gly Ser Ala Ser Ile
 305 310 315 320
 Val Asn Leu Leu Leu Glu Glu Asn Val Asp Val Ser Ser Glu Asp Leu
 325 330
 Ser Gly Glu Thr Ala Arg Glu Tyr Ala Val Ser Ser His His His Val
 340 345 350
 His Cys Glu Leu Leu Ser Asp Tyr Lys Glu Lys Glu Met Leu Lys Ile
 355 360 365
 Ser Ser Glu Asn Ser Asn Pro Glu Asn Val Ser Arg Thr Arg Asn Lys
 370 375 380

<210> 334

<211> 384

<212> PRT

<213> Homo sapiens

<400> 334

Met Val Val Glu Val Asp Ser Met Pro Ala Ala Ser Ser Val Lys Lys
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 20 25 30
 Pro Cys Cys Arg Glu Ser Gly Lys Ser Asn Val Gly Thr Ser Gly Asp
 35 40 45
 His Asp Asp Ser Ala Met Lys Thr Leu Arg Ser Lys Met Gly Lys Trp
 50 55 60
 Cys Arg His Cys Phe Pro Cys Cys Arg Gly Ser Gly Lys Ser Asn Val
 65 70 75 80
 Gly Ala Ser Gly Asp His Asp Asp Ser Ala Met Lys Thr Leu Arg Asn
 85 90 95
 Lys Met Gly Lys Trp Cys Cys His Cys Phe Pro Cys Cys Arg Gly Ser
 100 105 110
 Ser Lys Ser Lys Val Gly Ala Trp Gly Asp Tyr Asp Asp Ser Ala Phe
 115 120 125

Met Glu Pro Arg Tyr His Val Arg Gly Glu Asp Leu Asp Lys Leu His
130 135 140

Arg Ala Ala Trp Trp Gly Lys Val Pro Arg Lys Asp Leu Ala Val Met
145 150 155 160

Leu Arg Asp Thr Asp Val Asn Lys Gln Asp Lys Gln Lys Arg Thr Ala
165 170 175

Leu His Leu Ala Ser Ala Asn Gly Asn Ser Glu Val Val Lys Leu Leu
180 185 190

Leu Asp Arg Arg Cys Gln Leu Asn Val Leu Asp Asn Lys Lys Arg Thr
195 200 205

Ala Leu Ile Lys Ala Val Gln Cys Gln Glu Asp Glu Cys Ala Leu Met
210 215 220

Leu Leu Glu His Gly Thr Asp Pro Asn Ile Pro Asp Glu Tyr Gly Asn
225 230 235 240

Thr Thr Leu His Tyr Ala Ile Tyr Asn Glu Asp Lys Leu Met Ala Lys
245 250 255

Ala Leu Leu Leu Tyr Gly Ala Asp Ile Gln Ser Lys Asn Lys His Gly
260 265 270

Leu Thr Pro Leu Leu Leu Gly Val His Gln Gln Lys Gln Gln Val Val
275 280 285

Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu Asn Ala Leu Asp Arg Tyr
290 295 300

Gly Arg Thr Ala Leu Ile Leu Ala Val Cys Cys Gly Ser Ala Ser Ile
305 310 315 320

Val Ser Leu Leu Leu Glu Gln Asn Ile Asp Val Ser Ser Gln Asp Leu
325 330 335

Ser Gly Gln Thr Ala Arg Gln Tyr Ala Val Ser Ser His His His Val
340 345 350

Ile Cys Gln Leu Leu Ser Asp Tyr Lys Glu Lys Gln Met Leu Lys Ile
355 360 365

Ser Ser Glu Asp Ser Asn Pro Glu Asn Val Ser Arg Thr Arg Asn Lys
370 375 380